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City of Petaluma, CA

BICYCLE PLAN

Adopted by the Petaluma City Council
March 2000
as a component of the
Petaluma General Plan 1987-2005



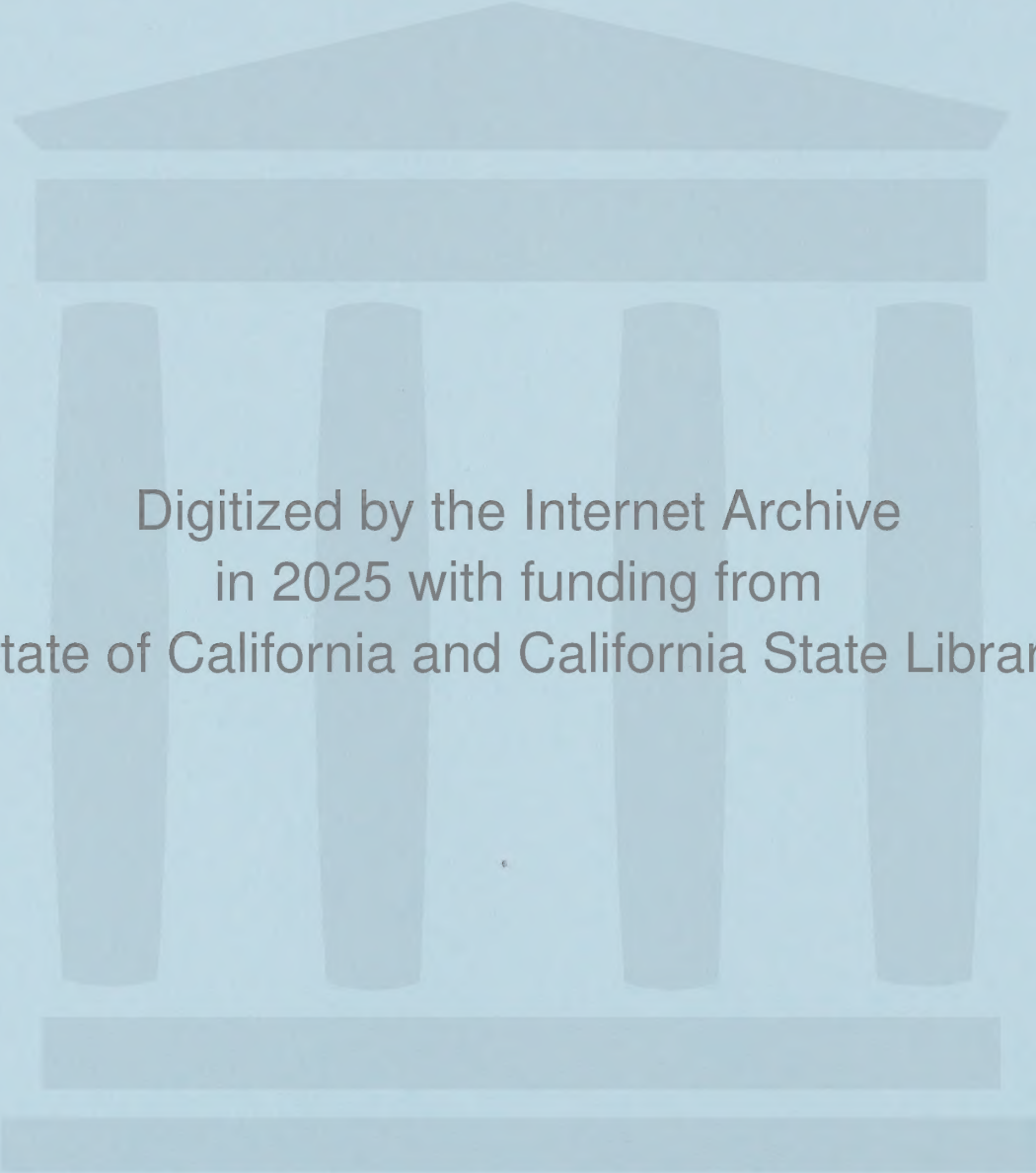
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prepared for the
City of Petaluma
by the
Petaluma Bicycle Advisory Committee

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<u>Table Of Contents</u>	<u>Page</u>
Chapter FIVE: BUILDING A BICYCLE/PEDESTRIAN-FRIENDLY COMMUNITY	26
5.1 Goals	26
5.2 Objectives, Policies and Programs	26
Prioritizing Connections	26
Pedestrian Needs	26
Promoting Bicycling	27
Measuring Results to Know What Works	27
Mixed Use Neighborhoods	28
Looking to Other Cities for Inspiration	28
Chapter SIX: PHYSICAL IMPROVEMENTS RECOMMENDATIONS	29
6.1 The Vision in Words	29
6.2 Objectives, Policies and Programs	29
East/West Connections	29
Washington/East Washington	30
East/West Travel through Corona Reach	30
Southern Crossing	31
Other Creeks and Crossings	31
Kenilworth Overpass	31
Petaluma River Crossings	31
North/South Connections	31
Railroad Access Opportunities	32
Frontage Road Along 101	32
Petaluma River Access and Enhancement Plan	33
Petaluma Boulevard	33
Urban Separator	33
Open Areas	34
Bay Area Ridge Trail and San Francisco Bay Trail	35
Schools	35
Alleys	35
Traffic Calming	36
Bicycle Parking	36
6.3 City of Petaluma Bicycle Circulation Map 1999	37
6.4 Bicycle Plan Priorities and Bicycle Plan Matrix of Proposed Bikeways 1999	37
Chapter SEVEN: IMPLEMENTATION	43
7.1 Importance of Implementation	43
7.2 Objectives, Policies and Programs	43
Institutionalizing the PBAC	43
Funding/Budget	44
Part of the Information/Decision-Making Flow	45
General Plan Update	46
Updating Bicycle Planning	47

Table Of Contents	Page
Chapter ONE: INTRODUCTION	1
1.1 Petaluma Bicycle Plan Goals	1
1.2 Historical Background	1
1.3 The Writing of this Plan	2
1.4 The Significance of this Plan	3
1.5 Current Conditions	3
Physical Features	3
Existing Facilities	4
Over-Riding Concerns	5
1.6 Institutionalizing Follow-up for Bicycle/Pedestrian Issues and for the Bicycle Plan	5
1.7 Pathway to Sustainability	6
Chapter TWO: SAFETY AND EDUCATION	7
2.1 Introduction	7
2.2 The Links between Safety, Education and Maintenance	7
2.3 Objectives, Policies and Programs	8
The City, Education and the Police	8
Minimizing Bicycle/Car Conflict	10
Bikeways' Maintenance	10
Use of Pesticide, Herbicide and Fungicide for Maintenance	12
Chapter THREE: BUSINESS INVOLVEMENT	13
3.1 Introduction	13
3.2 Objectives, Policies and Programs	14
Bicycling and Bicycle Parking	14
The City Leads by Example	14
City Promotion of Bicycling and Walking in the Business Community	15
Chapter FOUR: BIKEWAY AND FACILITY GUIDELINES	17
4.1 Designated Bikeways	17
4.2 Objectives, Policies and Programs	17
General Guidelines	17
Class I Bicycle/Pedestrian Paths	18
Class II Bicycle Lanes	19
Class III Bicycle Routes	19
Bicycle Boulevards	20
4.3 Street Design, Signing, and Lighting	20
4.4 Objective, Policies and Programs	20
Design Speed, Grades, Grade-Separated Crossings	20
Intersection Considerations	20
Potential On-Street Impediments for Bicycles	21
Signs	22
Lighting	22
4.5 Bicycle Support Facilities	23
4.6 Objectives, Policies and Programs	23
Bicycle Parking	23
Water, Restrooms, Benches	24
Bicycles and Transit	24

	<u>Page</u>
<u>Figures</u>	
Figures 1 & 2: Intersection Configurations	48-49
Figures 3, 4 & 5: Examples of Signs	50
Figures 6 & 7: Roundabout Configurations	51-52
<u>Appendices</u>	
A. Goals, Ordinances, and Standards & Specifications Regarding Bicycles and Bicycling	53
1. Petaluma Municipal Code, Regarding Bicycles and Bicycling	53
2. City of Petaluma Zoning Ordinances, Regarding Bicycles and Bicycling	63
B. References	72
1. Documents from Petaluma, Listed Chronologically	72
2. Documents from Sonoma and Marin Counties, Listed Chronologically	72
3. Additional Documents, Listed Alphabetically	73
C. Glossary	75
1. Nine Key Terms	75
2. Abbreviations	76
3. Other Terminology, Alphabetized	79
D. Pertinent General Plan Policies	83
E. Sample Bicycle/Pedestrian Forms	95
1. School Principal's Annual Bicycle/Pedestrian Trouble Spots and Wish List	96
2. Bicycle/Pedestrian Spot Improvement Request	97
3. Employer Survey: Support for Bicycle/Pedestrian Commuting	99
4. Bicycle/Pedestrian Survey and Suggestion Form	100
F. Summary of Public Input	101
1. Results from Questionnaire in Park and Recreation Bulletin January 1998	101
2. Results from Surveys Passed Out at 02/07/98 Public Input Meeting	102
G. Petaluma Planning Division Project Referral	104
H. Bicycle Locker Agreement	105
I. Sonoma County Water Agency Letter Regarding Safety on Creek Trails	107
J. Example Photos of Bicycle Facilities in the Netherlands and Boulder Colorado	108
K. Future Actions Mandated or Recommended by this Bicycle Plan and Who is Responsible	111

CHAPTER 1: INTRODUCTION

1.1 PETALUMA BICYCLE PLAN GOALS

- Goal 1:** Create and maintain a safe, comprehensive, and integrated bicycle and pedestrian system throughout the City.
- Goal 2:** Develop facilities, policies and standards by which Petaluma and the surrounding Planning Area can reduce auto-dependency, acknowledging that to do so will improve the livability of Petaluma and environs.
- Goal 3:** Ensure that the Bicycle Plan is implemented in a timely fashion.
- Goal 4:** Incorporate bicycle and pedestrian access as part of the initial planning and design process for all development proposals and capital improvement projects.

"If you build it, they will come."
(Asphalt Nation, pg. 15.)

1.2 HISTORICAL BACKGROUND

This Bicycle Plan is the result of changing priorities in our nation.

Federal Policy

In 1991, our Federal representatives passed the "Intermodal Surface Transportation Enhancements Act" (ISTEA), with the

intention of directing more of the nation's transportation funds toward non-motorized transportation modalities, if that is the desire of local jurisdictions.

"ISTEA changed how the Federal government allowed us to plan and spend. It has been called 'the cusp of a revolution'... From the Interstate era to the ISTEA era. We are at a transition."
(Speech by Larry Dahms of MTC, Santa Rosa, 6/14/93.)

"A key difference between this and past federal transportation bills is ISTEA's flexibility: it gives local jurisdictions decision-making power over the money allocated, and lets them use all eligible funds for, say, bicycle projects if that's what they want. On the other hand, all money can also be used for freeways if local decision-makers decide that's best." (Katie Scarborough, Transportation Solutions, March/April 1993.)

In 1998 the bill was renewed, this time as **TEA-21**, meaning "ISTEA for the 21st Century.

Bay Area Policy

The Metropolitan Transportation Commission (MTC) is the Metropolitan Planning Organization (MPO) for the San Francisco Bay Area's 9 counties. In 1993 MTC began requiring every local jurisdiction that receives Transportation Development Act (TDA) Article 3 funds--which are funds earmarked for bicycle/pedestrian improvements--to have a Bicycle Advisory Committee.

To remain eligible for future TDA Article 3 funds, each Bicycle Advisory Committee must develop a comprehensive bicycle planning document to identify and prioritize bicycle improvement projects in their respective jurisdictions.

In 1993, to comply with these requirements, the Petaluma City Council established the Petaluma Bicycle Advisory Committee (PBAC). This Petaluma Bicycle Plan satisfies the requirement of MTC, allowing the City of Petaluma to continue to receive Federal and State money for bicycle/pedestrian-related improvements.

In this document, the term “bicycle/pedestrian” is used to refer to improvements which benefit bicycles or pedestrians or both, while the term “automobile” is used to refer to any motorized vehicle including cars, trucks, vans, buses, sport utility vehicles, motorcycles, etc.

There has been a county-wide movement to shift emphasis away from strictly automobile-related improvements, toward bicycle and other less environmentally damaging transportation improvements. For example:

- July 1994: Employers in Sonoma County with 100 or more employees were required to comply with the Bay Area Air Quality Management act's (BAAQM's) Trip Reduction ordinances to reduce reliance on the automobile.
- Autumn 1994: The Sonoma County Transportation Coalition and the Sonoma County Alliance (two groups on opposite sides of transportation issues) sent a letter to Supervisor Mike Cale, Chairperson of the Sonoma County Transportation Authority (SCTA), indicating their intent to work together for a balanced transportation solution. “Balance” meant spending transportation monies not just for highway, but to include other modes

of transportation such as passenger rail, bus, bicycle, and pedestrian.

- January 1995: Unanimous vote by Golden Gate Bridge, Highway and Transportation District Board of Directors to complete the purchase of the Northwestern Pacific Railroad Authority (NWPRRA) Right-of-Way... *“The Board is now committed to completing purchase in 90 days. Board members were startled when their vote, ending a long and bitter stalemate, prompted applause among the spectators.”* (Transportation Solutions, Winter/Spring 1995.)

City Policy

In Ordinance No. 2080 N.C.S. in January 1999 permitting small-motor electric bicycles to be considered “non-motorized vehicles,” the Petaluma City Council stated: *“This Petaluma City Council finds that over-dependence on automobiles is harming the health of residents, the peaceful ambience of our community and the surrounding environment.”*

1.3 THE WRITING OF THIS PLAN

The Petaluma Bicycle Plan was written by the Petaluma Bicycle Advisory Committee and a member of the City of Petaluma's Planning Division. This group consisted of eleven people: seven bicycle advocates appointed by the City Council, one representative from the Planning Commission, one representative from the City Council, one representative from the Music, Parks and Recreation Commission and the Community Development Director of the Petaluma Planning Division.

For the past six years the PBAC has done the following: met in public, posted meetings; regularly ridden throughout the City, noting

problem areas and keeping in mind how bicycle circulation could be improved; studied numerous local documents as well as bicycle plans from throughout the State and nation (See Appendix B); solicited comments from local, County and State officials and agencies; and actively solicited public opinion. The PBAC then wrote the Plan which is before you. This Bicycle Plan is consistent with, expands upon and carries out the Goals, Objectives, Policies and Programs of the Petaluma General Plan 1987-2005, as can be seen in Appendix D. This plan specifically fulfills Petaluma General Plan 1987-2005 Program 29 from Chapter 10, which states: *“Update the existing plan and/or adopt a new and comprehensive Bicycle Use and Facilities Plan and implementation program.”*

necessary. Appendix A of this document lists the relevant City of Petaluma Code, Ordinances and Standards & Specifications with regard to bicycles and bicycling. These Code, Ordinances, Standards & Specifications will provide the “teeth” by which this Bicycle Plan will be carried out on a daily basis by staff.

For a complete listing of all City of Petaluma Code, Ordinances and Standards & Specifications, contact the Petaluma Planning Division.

“We must organize something that will outlive our enthusiasm.” (Patricia Tuttle Brown, 1/10/99.)

1.4 THE SIGNIFICANCE OF THIS PLAN

Inclusion in the General Plan

Upon adoption of this Bicycle Plan by the City Council, the Goals, Objectives, Policies, Programs and Priorities of this document will become part of the General Plan.

Upon adoption into the General Plan, the Bicycle Circulation Map and explanatory Matrix 1999 with Priorities, contained in Chapter Six, will replace the bicycle improvement portion of the 1992 Circulation Map which preceded them.

Inclusion in City of Petaluma’s Code, Ordinances and Standards & Specifications

The PBAC reviewed the City of Petaluma Municipal Code, the City of Petaluma Zoning Ordinance, and the City of Petaluma Department of Engineering Design and Construction Standards & Specifications. The PBAC drafted new or clarified old Code, Ordinances and Standards & Specifications as

1.5 CURRENT CONDITIONS

Currently, bicycling in Petaluma is a rewarding, but often dangerous endeavor. There are limited safe bicycle routes to get from one end of the City to the other. Even short rides to logical, nearby destinations such as schools, transit, parks and neighborhood shopping can be circuitous, difficult or dangerous.

Physical Features

Much of Petaluma is reasonably flat, a feature that makes bicycling a viable alternative once safety and circulation issues are remedied. There are scenic and natural settings throughout town. There are several very popular recreational routes just outside of town.

“Few communities are fortunate to have Petaluma’s rich physical attributes—the river as an historic means of commerce and trade, the intrinsic charm of the 19th century architecture, the backdrop of Sonoma’s

coast range.” (River Walk, City of Petaluma, 1986, pg. 5.)

Petaluma has some challenging geography as well. It has hills on the west, and a major freeway, navigable river and rail line all running through its center. The hills in the west are both daunting to climb and bordered by arterial roads which are bicycle-unfriendly. While tremendous assets for our City, these physical features discourage casual bicycling and force riders onto arterial routes with high-speed traffic and unsafe conditions.

Existing Facilities

“Existing bicycle facilities are very disjointed. Routes to major destinations such as downtown, parks, and schools are limited or non-existent. Bicycle routes have not been constructed according to the recommendations of the 1974 Bicycle Study.” (Petaluma General Plan 1987-2005, Chapter 10, pg. 106.)

Although many bicycle lane improvements exist throughout Petaluma, improved segments are often unconnected, poorly marked or have not been built to current standards, and most improvements are along busy streets. There are few off-street paths safe for children.

Bikeways are divided into four classes, which are defined below:

Class I Bikeway (Bicycle/Pedestrian Path)

A bicycle/pedestrian path is physically separated from motorized vehicular traffic by an open space or barrier. On occasion, these bicycle/pedestrian paths may provide access only for pedestrians or for bicyclists who walk their bicycles where safety issues dictate.

Class II Bikeway (Bicycle Lane)

Bicycle lanes are designated on roadway shoulders by striping, signs, and/or pavement markings for preferential use by bicyclists. They are separated from motorized vehicle travel lanes by a solid white and are located outside the travel lanes. Motor vehicles and pedestrians are prohibited from using bicycle lanes.

Class III (Bicycle Route)

On Class III bicycle routes, bicyclists share traffic lanes with motorized vehicles. These routes are designated with a “Bicycle Route” sign.

Bicycle Boulevard

A City street, usually determined to be key to bicycle through-traffic, in which bicycles have been given precedence over cars by means of barriers, traffic calming, stop signs aimed at car travel, etc.

The freeway is perhaps the most formidable obstacle to east/west cross-town connection of bikeways. Existing crossings are all on busy streets except the Kenilworth Pedestrian Bridge which is closed most of the time. Potential crossings at Lynch Creek, Washington Creek, East Washington Creek, the southern rail crossing of Petaluma River and the rail under-crossing of Highway 101 near the Corona Reach Specific Plan Area are all opportunities.

Public perception of Petaluma bikeways is poor. Many citizens are frustrated because of the auto-oriented, streets and the lack of continuous, safe routes. (See Appendix F) School children in our City have to cross or use streets with inadequate shoulders, inadequate routes or no access for safe riding. Many employers and merchants neglect to offer bicycle parking or other facilities to bicycle riders. Fear of a stolen bicycle and

safety concerns are currently two large deterrents to riding.

Although Petaluma is seriously lacking in bikeway facilities, it is rich in possessing a visionary General Plan that includes a comprehensive Petaluma River Access and Enhancement Plan with multi-use trails. The City Planning, Engineering, Park and Recreation, Public Works, Fire and Police Departments are supportive of bikeway planning and improvements. In addition, there is a general public consensus supporting a sustainable, friendly small-town character, all of which will help us move toward a bicycle/pedestrian friendly future.

Over-Riding Concerns

There are three overriding concerns regarding bicycle circulation and safety in Petaluma:

- 1) **Dangerous Cross-Town Connections:** Cross-town connections are limited and dangerous. Due to the physical layout mentioned above, there are very few ways to travel safely on a bicycle either east/west or north/south. At present, the two primary and historic routes to do so, Washington Street and Petaluma Boulevard, are dangerous for bicycles.
- 2) **Lack of Neighborhood Connections:** A second concern is the lack of bicycle and pedestrian connections between neighborhoods, commercial centers, streets, parks and schools. Specifically, there exist numerous dead-ends, private roads, cul-de-sacs and fences precluding bicycle and pedestrian through-access. Schools do not always permit nearby-neighborhood access directly to and through school property even if public streets and school property abut. These barriers thwart attempts to increase walking and bicycling and force pedestrians and bicyclists onto busy automobile arterial and connector streets.

This lack of neighborhood connection is a concern from the perspective of community cohesion.

- 3) **Lack of Child-Safe Bikeways:** A third concern is the lack of safe bikeways for children. For parents to allow children to bicycle to school and other destination points, safe *off-street* as well as clearly-marked *on-street* lanes must exist. Until such time as safer bikeways for children exist, the volume of auto traffic from parents driving children will remain high.

1.6 INSTITUTIONALIZING FOLLOW-UP FOR BICYCLE/PEDESTRIAN ISSUES AND FOR THE BICYCLE PLAN

"A great many bicycle plans were ...developed in the aftermath of the 1973 oil crisis, and most of them remain on the shelf and unimplemented. The potential exists for the same fate to befall the new generation of plans created 20 years later." (Bicycle and Pedestrian Planning Under ISTEA, pg. 23.)

The test of any Plan is how it is implemented. With a strong implementation program, this Plan will not simply remain a Plan, but become a series of bicycle and pedestrian projects built according to this Plan. In addition the Plan's directives will guide how future building or renovation will include bicycle/pedestrian access and amenities.

Funding

The Petaluma Bicycle Plan can only be implemented if funding is available. Bicycle facilities are funded from the full range of financial resources available to the City of

Petaluma. The task of identifying, securing and managing the variety of funding sources for bicycle/pedestrian facilities will require the joint efforts of the City Council, the Bicycle Coordinator/PBAC and all City departments.

Bicycle Coordinator/PBAC

As used in this document, the term “Bicycle Coordinator/PBAC” is used to mean *both* the City Planner, who will coordinate bicycle and pedestrian planning with enough planning hours available to do the job (the “Bicycle Coordinator”) *and* the Petaluma Bicycle Advisory Committee itself: either the chair or another member designated as the point person for a particular issue. Thus, communication with the “Bicycle Coordinator/PBAC” shall mean sending communication to *both* the Bicycle Coordinator and to the Committee.

Providing Follow-up

Why this thoroughness with regard to Bicycle Coordinator/PBAC communication? The 1974 Bicycle Plan was a comprehensive document. Had there been a City Bicycle Coordinator and a Petaluma Bicycle Advisory Committee, the review process would undoubtedly have implemented a 4,800 foot Class I Bicycle/Pedestrian Path along the rail line next to Lakeville Street and Highway, the east side of Petaluma would be criss-crossed with off-street 10 foot wide Class I Bicycle/Pedestrian Paths and there would be a Class I Bicycle/Pedestrian Path from Kenilworth Junior High School to Payran Street through the Fairgrounds property.

Had both the 1974 and 1987 Bicycle Plans been implemented, there would be bicycle paths along a number of Petaluma creeks inviting the public to bicycle or walk along these rural amenities in our urban landscape.

This 1999 Bicycle Plan needs to be implemented. In order to do this, it is essential that there be institutionalized follow-up, funding and involvement by the public. This Plan is written to ensure construction of the improvements as development and redevelopment occurs.

1.7 PATHWAY TO SUSTAINABILITY

The great complexity of the interaction between our industrial economy, society, and the natural environment assures that planning mistakes will occur, with resulting unforeseen consequences for any given community. When these unforeseen consequences are contrary to desired results, the healthy response for a society is to consider changing the planning strategy. The need to change planning strategy is the motivation behind ISTEA and TEA-21, behind MTC's requirement that there be Bicycle Committees, behind the City's desire to curb “over-dependence on the automobile”: to alter the way in which communities are planned in order to produce more healthy, livable communities. This is the path to sustainability.

The Petaluma Bicycle Plan responds to the negative elements of conventional transportation planning by attempting to level the playing field for the most socially and environmentally responsible modes of transportation available today: **bicycles** and **feet**. Adoption and implementation of this Plan, both in its spirit and specifics, will provide immediate benefits for Petaluma citizens today, and preserve benefits otherwise lost to citizens in the future.

CHAPTER 2: SAFETY AND EDUCATION

2.1 INTRODUCTION

"Provide for the maximum safety of each bicycle rider." (Petaluma General Plan 1987-2005, Chapter 10, Objective K.)

"I dread my kids someday riding these utterly hectic streets. It's a nightmare." (Respondent, PBAC survey, Winter 1998.)

"The key word is safety. Some bicycle lanes are so full of dirt and glass it's not safe." (Respondent, PBAC survey, Winter 1998.)

2.2 THE LINKS BETWEEN SAFETY, EDUCATION AND MAINTENANCE

Achieving the safest possible bicycling environment is a task with many diverse elements. It includes proper bicycle etiquette through education of children and adults, as well as enforcement through regular police bicycle patrols within the City. Safety also means well-maintained streets and proper bikeway markings, regularly swept and well-lighted streets and bikeways, and continuous bicycle lanes. In addition, safety includes provision of Class I Bicycle/Pedestrian Paths for children and others for whom riding on Class II or Class III Bikeways is uncomfortable and it includes assurance that bicyclists/pedestrians need not have safety concerns regarding herbicide use.

Safety also includes reminding drivers that all roads have a multi-modal function and that bicyclists and pedestrians have a right to use of the City streets. It must be noted that on all major arterials, bicyclists are routinely intimidated by motorists for no reason other than being a bicyclist riding on the road. One has only to commute on any of these roads for a few days to understand this important reason why more Petalumans do not ride bicycles. The following quotes came from persons attending the PBAC public input meeting of 2/7/98 held at the Petaluma Senior Center.

- *"Riding in Petaluma is more dangerous than riding a bike in San Francisco...The auto and truck drivers around here have a long way to go in respecting bicyclists."*
- *"I have been run off the road deliberately and with laughter by kids in pickups."*
- *"I'm still alive but this town has the worst appreciation for bicyclists. Especially Washington Street."*
- *"My car was down for about one and one-half months...[during that time] I was amazed over and over how unsafe and unfriendly, to bikes, merchants and streets are."*

Safety is clearly a vital issue in allowing bicycle travel to be a more widely-used transportation alternative. Education is an essential part of that, to ensure safe driving both by bicyclists and motorists. Maintenance of existing facilities is the underlying necessity for the physically-

vulnerable bicyclist. To this end, this chapter has the following goals:

- Goal 1:** Ensure safe travel for bicyclists and pedestrians.
- Goal 2:** Promote adherence, enforcement and awareness regarding existing laws and bicycle safety procedures.
- Goal 3:** Provide regular road and bikeway maintenance.

2.3 OBJECTIVES, POLICIES AND PROGRAMS

The City, Education and the Police

Objective A: Acknowledge that school-age children are a large component of the cycling population and that their safety is of paramount importance.

Objective B: Support active Police Department enforcement of all bicycle traffic and safety laws, for children and adults, for motorists and bicyclists.

Objective C: Promote and be involved in bicycle education.

Objective D: Participate in administering a "School Principal's Annual Bicycle/Pedestrian Trouble Spots and Wish List" (See Appendix E) with every school, to support and assist the schools in developing "Safe Routes to School."

Policy 1: The City shall acknowledge that Class I off-road Bicycle Paths are much safer for children, especially young children, than Class II Bicycle Lanes on City streets.

The General Plan stresses the importance of continuing to develop scenic, off-road bicycle routes:

Program 5: Chapter 10: *"Develop and implement a system of off-road bicycle paths."*

Program 6: Chapter 10: *"Require new development and redevelopment to include bicycle routes."*

Program 7: Chapter 6: *"Connect open spaces and activity centers with scenic and bicycle routes."*

A well-known 1987 study from Seattle's Engineering Department entitled The Burke-Gilman Trail's Effect on Property Values and Crime concluded that increased bicycle/pedestrian traffic on off-road areas actually increases safety and decreases crime rates for neighboring areas, even in those areas directly next to the paths.

Policy 2: The Police Department shall make it a priority to maintain a full-time, year-round bicycle patrol, with one Officer designated as the lead Bicycle Patrol Officer.

"In the Spring of 1992, the City of Petaluma's Police Department began a pilot program in which officers used mountain bikes to patrol...The bikes were an immediate success; resulting in a large volume of arrests, reduced reports of violence and alcohol-related offenses, and considerable media exposure that reflected well on the image of the Petaluma Police Department." (Petaluma Police Bicycle and Pedestrian Safety Program, Final Report, 1996.)

Policy 3: The Bicycle Patrol Officer shall have the responsibility of coordinating education of school-age children regarding bicycle safety.

Policy 4: The City shall encourage “positive reinforcement programs” to promote bicycle and motorist safety. This shall be coordinated by the Bicycle Coordinator/PBAC and the Bicycle Patrol Officer.

Program 1: The Bicycle Patrol Officer shall ride a bicycle on duty whenever feasible.

Program 2: The Bicycle Patrol Officer shall be encouraged to coordinate a bicycle safety fair or bicycle information program at all elementary and junior high schools during the first 60 days of the start of each school year.

“...Remind the students that 150 pounds of flesh are no match for 4,000 pounds of metal.” (National Bicycling and Walking Study, pg. 113.)

Program 3: The Bicycle Patrol Officer shall coordinate community-wide, stepped-up patrols at the beginning of each school year, targeting use of bicycle helmets and safe riding habits for school-age children. Warnings would be issued to children that strict law enforcement, ticketing and fines will follow.

Program 4: The City Staff, including the Bicycle Patrol Officer, the Traffic Engineer and the Bicycle Coordinator/PBAC shall assist the schools in developing “Safe Way to School” bikeways. All of these groups shall participate in evaluating and implementing the results of the PBAC’s “School Principal’s Annual Bicycle/Pedestrian Trouble Spots and Wish List.”

Program 5: Where feasible, mark the “Safe Way to School” bikeways clearly for each

school, with signs or paint and/or color.

Program 6: The school districts should consider a volunteer parent bicycle escort service for students at each school.

Program 7: The Bicycle Patrol Officer shall regularly communicate with the PBAC.

Program 8: School officials, Police, Engineering and the Bicycle Coordinator/PBAC shall communicate regularly. A joint meeting with all parties shall occur at least annually.

Program 9: The school districts shall be encouraged to allow bicycle/pedestrian entry and exit to and from schools from all feasible surrounding neighborhoods rather than funneling all entry and exit through auto-oriented entrances and exits.

Program 10: The police shall make it a priority to regularly patrol school entry and exit points with bicycle patrols.

Program 11: The City, including the Bicycle Patrol Officer, shall encourage a scholarship helmet program to make helmets available to children.

Program 12: The City and the Bicycle Safety Officer shall encourage local merchants to develop a rewards program that will reinforce the helmet laws through small incentives.

Program 13: The Police should consider assigning bicycle patrol to all patrol personnel on a rotational basis (e.g. for 3 months) to educate police about the problems of bicycle circulation.

Program 14: The City shall encourage its employees to ride bicycles through provision of facilities and incentive programs.

Minimizing Bicycle/Car Conflict

Objective E: Acknowledge the right of bicyclists to utilize all roadways.

Objective F: Encourage and monitor safe driving habits for both bicyclists and motorists.

Objective G: Publicize existing, safe bicycle routes throughout the community.

Policy 5: The City shall post signs at community gateways, on major arterials and at potentially dangerous areas to remind both motorists and bicyclists to “Share the Road.” (See Figure 4)

Policy 6: The Police shall actively cite motorists who ride recklessly or aggressively around bicycles.

Policy 7: The Police shall actively cite bicyclists who ride recklessly or aggressively around autos.

Program 15: The City should develop a bicycle safety education program for bicyclists and motorists reminding both of their rights and responsibilities, including literature that can be distributed in schools and other public locations.

Seattle, Washington: *“The 1982 Bicycle Facility Evaluation Study found that: ‘The primary cause of current bicycle-car conflicts is behavioral operator failures...’ and that ‘bicycle safety training may ultimately be more effective than physical improvements in increasing bicyclists’ safety.’”* (Seattle Comprehensive Bicycling Policy, 1985, pg. 7 of Summary.)

Program 16: The City shall work with local driver education programs to emphasize to motorists that bicyclists have the same rights and responsibilities as motorists.

Program 17: The City should develop simple bicycle route maps to be distributed City-wide, showing safe routes, bicycle parking and support facilities for bicyclists.

Bikeways’ Maintenance

“A program combining street-sweeping, police patrol, and safety enforcement should be implemented as soon as a usable bicycle network is in place.” (Petaluma General Plan 1987-2005, Chapter 10, pg. 114.)

“Another serious problem is road maintenance...These conditions don’t affect cars much but they can be a nuisance, hazardous and dangerous for bicycle riders!” (Participant, PBAC Public Input Meeting, 2/7/98.)

Objective H: Perform street sweeping more frequently on dangerous or heavily-traveled bikeways, and whenever gravel and other debris accumulate on bikeways.

Objective I: Implement a Bicycle/Pedestrian Spot Improvement Program (See Appendix E) to ensure that basic safety standards are maintained for bicyclists, their bikeways and their facilities.

Policy 8: The City shall collaborate with the County to develop a system that provides safe maintenance for County roads, especially those entering City streets (e.g. Western Avenue, D Street, Corona Road, Petaluma Boulevard, etc.).

Policy 9: The City shall establish “levels of service” for all bikeways, clarifying how often maintenance is to be done and thereby clarifying the real cost for bikeways’ maintenance.

“Rick Blunden of Cal Trans reports an annual [maintenance] cost of \$4000/mile/year for bike paths and \$1000/mile/year for bike lanes.” (Western Trail and Bikeway News, 1995, pg. 5.)

“As we build bike trails and the rest, the CIP builds these things....We don’t get money for maintenance. So what we need to do is to establish ‘levels of service’ for maintenance (once a week, once a month, annual weed removal, etc.) for ...bicycle/pedestrian facilities. We may end up with a maintenance person responsible for bikeway maintenance.” (Allan Tilton, Traffic Engineer, City of Petaluma, February 1999.)

Policy 10: The City shall create a budget item in the Capital Improvement Program (CIP) for the Bicycle/Pedestrian Spot Improvement Program.

Policy 11: The Bicycle Coordinator/PBAC shall serve as a conduit for bicyclist concerns regarding facility maintenance. The Public Works Department and the Bicycle Coordinator/PBAC shall develop a procedure for submitting Bicycle/Pedestrian Spot Improvement Requests and for follow-up procedures.

Policy 12: According to the designated procedures for submission of and follow-up on Bicycle/Pedestrian Spot Improvement Requests, the appropriate City Department shall provide quarterly updates to the Bicycle Coordinator/PBAC regarding the Spot Improvement Requests.

Program 18: The Bicycle/Pedestrian Spot Improvement Program shall include, but not be limited to, the following:

- **Paving/Potholes/Grates:** Repairing potholes, removing raised markers,

smoothing gutter and pavement edges especially where asphalt and concrete meet, replacing dangerous sewer/drainage grates.

- **Lighting:** Repairing street light fixtures, replacing bulbs regularly.
- **Sweeping:** Promptly removing broken glass, excess gravel from bikeways. (In most neighborhoods street sweeping is performed once per month on the day after the regular garbage pickup. Contact City Hall for specifics about a particular neighborhood.)
- **Tree-Trimming/Vegetation Control:** Regular tree trimming and vegetation control along and on bikeways for physical safety and for traffic sign visibility. (See Chapter 2, Objectives J, K, & L)
- **Speed Hump Maintenance:** Repairing unsafe edges.
- **Signs:** Installing, repairing or replacing broken signs.
- **Curb Cuts:** Installing curb cuts or repairing dangerous curb cuts at intersections, driveway entrances, etc.
- **Paint:** Painting or repainting fog-stripping lane markings, loop detectors and all other bicycle-related markings.
- **Bicycle Parking Facilities:** Installing or repairing City-owned bicycle parking.

Seattle’s “Spot Improvement Program”

“[Seattle] budgets \$160,000 each year for its highly successful ‘Spot Improvement Program,’ a special initiative devoted to low-cost and small-scale improvements... Citizens

recommend improvements through postpaid suggestion cards available at bike shops and City buildings. Within a matter of days, City maintenance crews fix problems indicated on the 'report cards.' ...Seattle has a similar program for spot improvements to pedestrian areas." (The National Bicycling and Walking Study, pg. 88.)

Use of Pesticide, Herbicide and Fungicide for Maintenance

Objective J: Acknowledge that bicyclists and pedestrians are at risk of coming into contact with pesticide, herbicide and fungicide due to their position at the edges of roadsides, their direct skin contact with greenery and their more prolonged contact with the environment.

Objective K: Acknowledge the potential health risks associated with pesticide, herbicide and fungicide exposure. Decrease exposure to pesticide, herbicide and fungicide in our community, including on bikeways and other bicycle/pedestrian-related uses.

Objective L: Learn from other cities' policies and programs regarding appropriate pesticide use (e.g. school maintenance in Marin County, California, or park maintenance in San Francisco, California's Golden Gate Park).

Policy 13: To reduce use of pesticides, herbicides and fungicides, the City should fully commit to "Integrated Pest Management," a pest control technique that emphasizes non-toxic methods, such as caulking cracks, spreading mulch to combat weeds, etc.

Policy 14: The PBAC/Bicycle Coordinator shall pursue development of a signing program warning pedestrians and bicyclists of the use of chemicals along bikeways and within pedestrian areas. This includes roadsides, creeksides, paths, bikeways, railroads, culverts, sewers, parks, schools and any other locations in proximity to bicyclists and pedestrians.

Program 19: The Bicycle Coordinator/PBAC may request pesticides, herbicide and fungicide information from City, County and State agencies detailing locations and types of such chemicals used on roadsides, creeksides, paths, bikeways, railroads, culverts, sewers, parks, schools and any other locations in proximity to bicyclists and pedestrians.

Program 20: To protect pedestrians and bicyclists from unnecessary chemical exposure and to lower cost to the City of alternative methods of vegetation control, the City shall strive to implement creative, low-cost alternatives to "chemical vegetation maintenance" on bikeways and pedestrian areas, considering such ideas as organized weed-pulling by neighborhoods, students, or traffic offenders.

"Strive to reduce the impact of pollutants on the well being of Petalumans." (Petaluma General Plan 1987-2005, Chapter 11, Goal 2, pg. 117.)

CHAPTER 3: BUSINESS INVOLVEMENT

3.1 INTRODUCTION

The City of Petaluma is aware that to create a bicycle/pedestrian-friendly environment, Petaluma businesses will play a prominent role and that incentives will assist this end. In this document the term “Petaluma businesses” is used to mean any business entity, large or small, operating within the City. This includes public, private, City, County, State and Federal entities.

Transportation System Management (TSM) is defined in the Petaluma General Plan 1987-2005 as *“the use of bicycles, public transportation, carpools, walking, flexible work schedules and park-and-ride lots to reduce daily and peak hour traffic volumes”* and suggests that businesses who participate in TSM can be given reduction auto parking in the amount of spaces required.

The City of Petaluma encourages both large and small businesses to pay more attention to the numerous ways in which bicycle and pedestrian commuting can and should be fostered locally. The City recognizes that increased bicycle use provides the following benefits to businesses.

- Reduces the need for automobile parking spaces.
- Shows encourage employees to bicycle to work as well as allowing employees to pursue fitness during free time. Such facilities are recognized as an important part of a benefits package by prospective employees.

- Bicycle commuters arrive at work in good spirits and are more likely to be productive. Exercise relaxes the central nervous system, improves mood and sharpens mental activity.
- Bicycle commuters tend to arrive at work on time.
- Promoting bicycle commuting and exercise is good public relations. It shows that a company is concerned with the environment as well as the health and happiness of its employees.

Specific City of Petaluma Code, Ordinances, and Standards & Specifications pertaining to bicycles and bicycling are included in Appendix A.

“It is time to use financial incentives to...make a car-free existence irresistible.” (Asphalt Nation, pg. 313.)

Goal 1: Encourage Petaluma businesses to implement more bicycle- and pedestrian-friendly policies and improvements to facilitate bicycling and walking as transportation.

Goal 2: As a major employer and commute destination, City schools shall collaborate with the City to enhance the bicycle and pedestrian access to City schools.

Goal 3: The City government shall encourage and set an example to the business community by implementing the following

policies and programs for all City employees.

employees according to square footage. (See Appendix A)

3.2 OBJECTIVES, POLICIES AND PROGRAMS

Bicycling and Bicycle Parking

Objective A: In partnership, the City and the business community should support bicycling as an alternative mode of transportation because of the benefits to individuals, businesses and the community.

Policy 1: Encourage Petaluma businesses to provide convenient and secure bicycle parking. (See Chapter 4 for more on bicycle parking)

Policy 2: Encourage Petaluma businesses to provide clothes lockers and showers.

Policy 3: Encourage Petaluma businesses to provide financial incentive programs for employees who bicycle to work.

Program 1: Petaluma businesses should provide bicycle parking for both customers and employees in the form of racks, lockers, or inside storage.

Program 2: Outside bicycle parking should be placed as close to entrances as possible to ensure convenience and security.

Program 3: The amount of bicycle parking required shall be detailed in the City of Petaluma Zoning Ordinance. (See Appendix A)

Program 4: Existing businesses should be encouraged to provide clothes lockers and showers.

Program 5: New business developments shall provide lockers and showers for

Program 6: Businesses should reimburse employees for using their bicycle during work hours similar to when a personal auto is used during working hours.

Program 7: The City shall encourage local businesses with 100 or more employees to continue designating Transportation Coordinators, and will communicate yearly with these Transportation Coordinators. (See Appendix A)

Program 8: Businesses shall consider adopting bicycling incentives, such as the following:

- Formation of company groups such as Missoula Montana's "20% Club" which consists of employees in the City's Department of Public Works who pledge once-a-week to bicycle, walk carpool, and/or ride transit to work.
- Provide loaner bikes and helmets.
- Allow less formal dress for employees, in order to allow bicycling and walking to be a more feasible alternative mode of transportation to, from and within work.

The City Leads By Example

Objective B: The City shall lead by encouraging bicycle/pedestrian-friendly policies.

Policy 4: The City shall provide incentives where feasible for businesses that participate with City programs and shall lead by example. The City shall implement the following where feasible:

Program 9: The City of Petaluma shall discourage the use of the single-occupant

automobile when the use of an alternative is available and feasible.

Program 10: The City of Petaluma shall reimburse City employees and officials for the use of privately owned bicycles while conducting authorized City business at least equivalent to the reimbursement for car driving. (See Appendix A)

Program 11: The City shall provide appropriate and secure bicycle parking for City employees.

Program 12: The City shall promote the use of clean air vehicles and non-motorized forms of transportation.

Program 13: The City shall make lender bicycles available for City employees and publicize the program to all City employees.

Program 14: The City should investigate the feasibility of free “lender” bikes for downtown and other areas. If feasible, implement a trial program.

Program 15: All City Departments shall be encouraged to survey themselves via the “Employer Survey: Support for Bicycle/Pedestrian Commuting” and the “Bicycle/Pedestrian Surveys Suggestion Form” on an annual basis and submit their findings to the Bicycle Coordinator/PBAC and Transportation Coordinator. (See Appendix E)

City Promotion of Bicycling and Walking in the Business Community

Objective C: Recognize those Petaluma businesses which promote bicycling/walking and encourage the ones that do not.

Policy 5: The City shall encourage the Petaluma Chamber of Commerce, the Downtown Merchants Association and any

other local business advocacy groups to support and advocate for a more bicycle/pedestrian-oriented workplace.

Policy 6: The Bicycle Coordinator/PBAC shall solicit, as well as follow-up on, bicycle and pedestrian transportation feedback from local businesses, large and small, to facilitate better transportation choices within the City.

Program 16: The Bicycle Coordinator/PBAC should solicit, as well as follow-up on feedback, from management at all Petaluma businesses, utilizing an annual “Employer Survey: Support for Bicycle/Pedestrian Commuting.” This form shall request information regarding what incentives the company provides to its employees for bicycling and walking to and from work. (See Appendix E)

Program 17: The Bicycle Coordinator/PBAC should solicit as well as follow-up on feedback from owners and employees of all Petaluma businesses utilizing an annual “Bicycle/Pedestrian Survey and Suggestion Form.” This form shall request an assessment of bicycle/pedestrian facilities and needs in the community. (See Appendix E)

Program 18: The City shall devise a reward system for companies participating in Automobile Trip Reduction planning.

Program 19: The City shall communicate ideas about bicycle-friendly policies to Petaluma businesses, and shall, on an annual basis, distribute this Chapter of the Bicycle Plan to Petaluma businesses.

Program 20: The City shall encourage all schools within the Petaluma sphere of influence to recognize the importance of getting more students and teachers riding bicycles and walking to and from school.

Program 21: The City shall follow up on the “School Principal’s Annual Bicycle/Pedestrian Trouble Spots and Wish List.”

Program 22: The City shall encourage all schools within the Petaluma sphere of influence to facilitate public cross-town bicycle/pedestrian travel across school properties and shall encourage regular police bicycle patrols of those areas.

CHAPTER 4: **BIKEWAY AND FACILITY GUIDELINES**

4.1 DESIGNATED BIKEWAYS

Goal 1: Ensure designated bikeways be built and maintained according to standards which maximize safety for bicyclists and pedestrians.

Considered a vehicle under California law, bicycles have the right to responsible use of virtually all roadway facilities in Petaluma and have the right to expect those roadways to be safe for bicycle use.

There is a place for designated bikeways as well, within Petaluma. The term “bikeway” is specifically used in this document to encompass all designated bicycle travel areas—whether “bicycle path,” “bicycle lane,” “bicycle route” or “bicycle boulevard.” (Definitions for these terms are located in Section 1.5 of Chapter One)

Designating certain areas as bikeways is not meant to segregate bicyclists, nor is it meant to preclude the use of bicycles on sidewalks. Riding bicycles on sidewalks, except as regulated by local jurisdictions, is permitted by California Vehicle Code 21206. Designated bikeways are meant to provide safe, direct and pleasant routes for bicyclists. Off-street bikeways are especially helpful for beginning bicyclists who are unaccustomed to riding in heavy auto traffic or for pedestrians looking to be away from auto emissions and congestion. By providing routes insulated to some extent from auto traffic (bicycle lanes), or providing routes in areas cars cannot travel

(bicycle paths), bikeways also facilitate more cross-town trip-making by bicycle and less by auto.

Where the term “bicycle/pedestrian path” or “bicycle/pedestrian access” is used in this document, such a path or area may prove to be pedestrian only in those places where bicycle access is not desirable. On the other hand, the path or area may prove to be for bicycles as well as pedestrians if it is deemed feasible and desirable by the City. In all cases, pedestrians shall be allowed access to these paths or areas.

4.2 OBJECTIVES, POLICIES AND PROGRAMS

General Guidelines

Objective A: Adopt appropriate new sections for and update the existing Petaluma Municipal Code, Petaluma Zoning Ordinance, and Street Design and Construction Standards & Specifications regarding bicycles and pedestrians.

Objective B: Build the bikeway system as outlined in this Bicycle Plan and expand the bikeway system wherever appropriate opportunity arises.

Policy 1: The City Code, Ordinances, and Standards & Specifications shall incorporate the Goals, Objectives, Policies, Programs and Priorities of this Bicycle Plan.

Policy 2: The City of Petaluma shall use the California Department of Transportation (Caltrans) Standards as a guide and consider alternative standards on a case-by-case basis which shall include review by the Bicycle Coordinator/PBAC.

Policy 3: All new and improved highways as well as arterial, collector and local streets shall include appropriate bicycle/pedestrian access.

Policy 4: If modifications or exceptions from the Goals, Objectives, Policies, Programs and Priorities of this Bicycle Plan are requested, the PBAC shall review and provide recommendations.

Policy 5: In all new development, bicycle/pedestrian access for travel should be considered.

Policy 6: On any public land, bicycle/pedestrian through-travel shall be considered an important priority.

Policy 7: Wherever there is disposal of any publicly-owned property within the City's Urban Growth Boundary, the City shall assess the feasibility of retention of bicycle/pedestrian access.

Class I Bicycle/Pedestrian Paths

The term "Class I Bikeway" or "Bicycle/Pedestrian Path" is used in this document to describe a bikeway on which no motor vehicle or motorcycle traffic is allowed but which bicyclists share with pedestrians. On occasion, these bicycle/pedestrian paths may provide access only for pedestrians or for bicyclists who walk their bicycles where safety issues dictate.

Objective C: Establish Class I Bicycle/Pedestrian Paths whenever possible to facilitate safe and direct off-street travel.

"Trail users will gain a better sense of how the City fits into its geographic location, learn the town's history and develop a better sense of how riparian systems work." (Petaluma River Access and Enhancement Plan, 1995, pg. 47.)

Policy 8: Whenever opportunities for acquisition arise, review the status of railroad rights-of-way, natural waterways, flood control rights-of-way, and other public lands for potential designation as new bicycle/pedestrian routes and where appropriate pursue such designations.

Policy 9: Class I Bicycle/Pedestrian Paths shall exist in the Urban Separator wherever feasible to create a path system ringing the City.

Policy 10: On all Railroad rights-of-way, whether active or abandoned, wherever feasible the City shall establish Class I Bicycle/Pedestrian Paths which shall co-exist with rail use.

Policy 11: The City shall minimize the number of road intersections on Class I Bicycle/Pedestrian Paths and shall provide safe well-marked crossings for bicyclists at specific access points.

Policy 12: There shall be separate Class I Bicycle/Pedestrian Paths along all major roadways, wherever feasible.

Policy 13: Include bicycle/pedestrian signs where necessary.

Policy 14: Accessing the top of Petaluma's ridges with bicycle/pedestrian paths shall be considered a priority.

Policy 15: The City shall encourage the County Bicycle Committee to pursue access

for bicycle/pedestrian trail easements through local agricultural areas.

Policy 16: The City shall consider Class I Bicycle/Pedestrian Paths in any land designated as “floodplain” or “floodway.”

“Completion of the Boulder Creek path in 1987... was an innovative flood management project.” (Bicycle Systems Plan, Boulder, Colorado, 1995, pg. 13.)

Class II Bicycle Lanes

The term “Class II Bikeway” or “Bicycle Lane” is used in this document to describe marked lanes for bicycles on City streets. These bicycle lanes are to be marked with a stripe at the edge as well as recognizable pavement coloring inside wherever feasible. These are not areas for pedestrian travel.

Objective D: Establish a network of Class II Bicycle Lanes throughout the City for on-street travel.

Policy 17: Establish Class II Bicycle Lanes where appropriate and where designated on the Bicycle Circulation Map.

Policy 18: The City shall consider narrowing car travel lanes to allow for Class II Bicycle Lanes.

Eugene, Oregon has narrowed some collector streets, those with an Average Daily Traffic (ADT) of less than 6500 vehicles per day (vpd), to a 9½-foot wide automobile lane in order to accommodate bicycle lanes. In some instances they have narrowed other busier collector streets to a 10-foot wide car lane.

Policy 19: As new roads develop or existing roads are widened or maintained, Class II

Bicycle Lanes shall be retained if existing, or added wherever feasible.

Policy 20: For safety reasons, the City of Petaluma shall clearly and distinctively mark bicycle lanes. One method shall be used if it is a standard width bicycle lane (5 to 6 foot) and another if it is substandard. Substandard bikeways may include the road shoulder where separated from car lanes by “fog striping.”

Policy 21: Wherever Class II Bicycle Lanes cease, the City shall make every effort to accommodate the bicycle rather than simply leaving a gap including measures to guide bicyclists onto available sidewalks.

Policy 22: The City shall designate whether auto parking is or is not permitted in Class II Bicycle Lanes.

Program 1: The City shall vigorously enforce ticketing of illegally parked cars in bicycle lanes.

Program 2: The City should consider extending the colored Class II Bicycle Lane markings through the intersections, wherever appropriate.

Class III Bicycle Routes

The term “Class III Bikeway” or “Bicycle Route” shall be used in this document to describe bikeways in which bicycles and automobiles share the roadway and which are only marked with “Bicycle Route” signs.

Objective E: Establish Class III Bicycle Routes where appropriate and where designated on the Bicycle Circulation Map.

Policy 23: Bicycle Routes should be located to provide clear routes through neighborhoods where right-of-way is not available or a Class II Bicycle Lane is unnecessary.

Bicycle Boulevards

The term “Bicycle Boulevards” is used in this document to designate streets that are altered to give precedence to bicycles over autos. Although it is not one of the three most common bikeway design types (bicycle paths, bicycle lanes or bicycle routes), the bicycle boulevard is emerging as a special type of bikeway.

As of February of 1999 the City of Berkeley, California announced a \$4.5 million dollar plan to create seven bicycle boulevards to serve as the backbone of the bikeway network throughout Berkeley: (Reference: Berkeley Bicycle Plan Draft, November 1998) An existing successful example of a bicycle boulevard is Bryant Street in Palo Alto.

Objective F: Develop and implement a network of bicycle boulevards to provide important connectors on which bicycles are given precedence.

Policy 24: The City shall consider these and other ideas to facilitate the success of its bicycle boulevards:

- Remove traffic control impediments and physical barriers to bicycle travel on bicycle boulevards wherever feasible.
- Provide two-way stops at the cross streets along bicycle boulevards to allow non-stop travel for bicycles along the bicycle boulevard.
- Install traffic barriers to serve as filters every few blocks to prohibit and discourage autos from using the street as a direct route.
- Install speed bumps for autos, which bicycles can bypass. This will discourage speedy auto traffic on bicycle boulevards.

4.3 STREET DESIGN, SIGNING AND LIGHTING

Goal 2: Recognize that all streets are bicycle travelways, that bicycles may ride on all streets unless bicycles are expressly prohibited and that all streets need to be designed to include bicycle transportation.

4.4 OBJECTIVES, POLICIES AND PROGRAMS

Design Speed, Grades, Grade-Separated Crossings

Objective G: Install grade-separated crossings (overpasses and underpasses) for bicycle and pedestrians where necessary for safety or direct travel.

Objective H: Safety shall be of paramount concern when determining grade and design for grade-separated crossings.

Policy 25: The City shall consider and seek funding for “grade-separated crossings” where key bikeways cross busy streets, creeks and other difficult areas. Undercrossings and overcrossings shall be considered.

Intersection Considerations

Objective I: The City shall make bicycle and pedestrian safety improvements at intersections a priority.

Objective J: The City shall continue to use creative solutions to provide safe routes through intersections.

Policy 26: The City shall establish Codes, Ordinances, and Standards & Specifications to regulate treatment of bicycles at intersections. This shall include consideration of guiding bicycles through intersections and bicycle activation of traffic signals. (See Figures 1 and 2)

Policy 27: Bicycle routes used by younger children shall provide a “protective warning device” for crossing at major streets and at other locations where crossings may be needed. Examples include mid-block crossings near schools or frequently used facilities.

The term “protective warning device” is used in this document to indicate any human-engineered device which assists safe crossing of streets.

There are many alternatives to the traditional stop light. The City of Petaluma was one of the first cities in California to install in-pavement flashing warning devices for crosswalks and has also pioneered the use of passive cameras at intersections which detect bicycles and pedestrians and signal the light to change. The cameras transmit no image; they transmit their recognition of the presence of a person to the signal, which changes to allow crossing.

Policy 28: The City shall consider alternative intersection access and safety methods for bicyclists and pedestrians. Creative solutions, beyond the standard traffic signal, shall be explored when a bikeway/pedestrian crossing is needed.

Examples include:

- Periodic/detected all-way stop (“Pedestrian Scramble Light”).
- In-pavement flashing warning device at ground-level on crosswalks, activated immediately when pedestrians enter.

- Large landscape areas at the corners for pedestrian and bicyclist refuge.
- Colored or textured crossing areas for bicycles and pedestrians.

Policy 29: The “Intersection Configurations” in this document shall serve as guidelines for intersection treatment. (See Figures 1 and 2) The PBAC shall review and provide recommendations on any requested modification to these guidelines.

Policy 30: Alternative pavement treatments with smooth transitions shall be installed where bikeways cross railroad lines.

Potential On-Street Impediments For Bicycles

Objective K: All on-street construction shall be built and maintained to avoid dangerous conditions for bicycle traffic.

Objective L: Care will be taken in the construction and maintenance of speed bumps, drainage ditches, manhole covers, sewer and drainage grates, and asphalt/concrete interfaces.

“Where the asphalt and concrete meet, asphalt ridges higher than concrete jut up. Where auto drivers are exiting driveways, bicyclists are often forced into traffic and to cross those ridges, but could take a fall if the tires ride the ridge...I know machines exist which can easily cut the asphalt and thus level the road.” (Respondent, PBAC survey, Winter 1998.)

Policy 31: The City shall ensure that the edges of speed bumps are smooth, durable and gradually sloped.

Policy 32: Wherever feasible, retrofit speed bumps to reduce auto speed but allow bicycles to ride unobstructed.

Policy 33: Manhole covers, sewer and drainage grates and other metal objects imbedded in travel lanes shall be constructed or retrofitted to be flush with the street.

Policy 34: The interface of concrete and asphalt shall be built and maintained smooth and flush.

Signs

Objective M: Improve bicycle signage to enhance safety for all who use the City transportation network.

Objective N: Develop uniform signs to identify bicycle facilities and educate motorists of potential bicycle use on City streets.

Policy 35: All Class I, II and III Bikeways as well as bicycle boulevards shall be clearly marked for bicyclists, pedestrians and motorists.

Policy 36: The City shall strive to keep signs on all Class II Bicycle Lanes well maintained for safety reasons.

Policy 37: An evaluation of stop signs in Petaluma should be undertaken in order to determine the most effective and safe flow of traffic both for motor vehicles and bicycles.

The use of stop signs as a traffic management tool is not conducive to a good bicycling environment, except as warranted by traffic volumes on intersecting streets. Bicyclists are even more inconvenienced than drivers by

unnecessary stopping. The use of yield signs or the installation of other traffic calming measures are preferable ways to increase motorist awareness of crossing traffic, pedestrians, and bicyclists.” (Bicycle Facility Planning, American Planning Association, Pinsof and Musser, 1995, pg. 12.)

Policy 38: The Traffic Engineer shall install traffic control signs wherever necessary for safety. Requests to add or delete bicycle/pedestrian traffic control signs shall be routed through the Bicycle Coordinator/PBAC for review and recommendations.

Program 3: Install signs to remind motorists that bicycles and autos “Share the Road.” (See Figure 3) These signs should be installed at the community gateways, on busy arterials or in areas where Class II Bicycle Lanes suddenly merge with auto lanes.

Program 4: Install signs reading “Yield” where necessary, especially to replace stop signs considered detrimental to bicycle circulation.

Program 5: Install signs reading “Bicycle Crossing” (See Figure 4), to alert motorists of the presence of a bicycle crossing.

Program 6: Install signs directing bicyclists to the continuation of a bicycle lane or bicycle path (See Figure 5) where bikeways intersect, terminate or turn.

Lighting

Objective O: Install and maintain safe lighting on all bikeways.

Policy 39: Street lighting shall make visible the edge of the pavement on all bicycle paths,

bicycle lanes and bicycle routes, where feasible.

Policy 40: For bicycle paths, lighting should be provided the same as that deemed necessary for safety on pedestrian facilities in the area.

Policy 41: Street lighting for bikeways, or near to bikeways, shall be directed downward with light bulbs well covered to avoid direct glare.

4.5 BICYCLE SUPPORT FACILITIES

Goal 3: Provide for secure, protected parking facilities for bicycles, with the understanding that bicycles are vulnerable to theft, vandalism and the elements.

Goal 4: Acknowledge the right of bicyclists and pedestrians to have access to public benches, water, and bathrooms.

Goal 5: Provide bicyclist support facilities throughout the City.

4.6 OBJECTIVES, POLICIES AND PROGRAMS

Bicycle Parking

Secure bicycle parking is an essential component of encouraging more citizens to bicycle.

"A Baltimore survey of bicyclists reported that 25 percent had suffered theft, with 20 percent of those giving up bicycling as a result." (Bicycling and Walking Study, pg. 25.)

Objective P: Ensure the provision of adequate public bicycle parking at important public facilities, parks, libraries, schools, shopping centers/areas and other locations with high bicycle-parking demands.

Objective Q: Improve the availability of secure bicycle parking, acknowledging that simple racks may not always be enough.

Policy 42: There shall be an appropriate mix of auto and bicycle parking in all commercial buildings or auto parking lots.

Policy 43: City Code and Ordinances shall clearly state requirements for bicycle parking. (See Appendix A)

"The City shall add to the Zoning Ordinance specific requirements and standards for the number, location and type of bicycle parking spaces to be provided for public and private developments." (Petaluma General Plan 1987-2005, Chapter 10, Program 35.)

Policy 44: The City shall adopt standards providing up to 40% reduction in required parking in return for Transportation Systems Management (TSM) programs.

TSM is a comprehensive strategy dealing with the problem of development and the ensuing traffic generation, focusing on reduction of vehicle miles traveled (VMT) and distribution of the timing of trips to ease congestion rather than focusing on the expansion of highways.

Policy 45: The City shall consider special auto parking reductions for small growing businesses in exchange for employer-incentive programs encouraging bicycling and walking and discouraging driving.

Policy 46: Multi-family residential developments and businesses shall provide

preferential parking spaces for bicycle parking.

Policy 47: Multi-family residential developments and businesses shall provide secure, visible, bicycle visitor parking.

Policy 48: Bicycle parking shall be required for all new apartments, industrial, commercial and retail centers and all new public facilities.

Policy 49: Bicycle parking shall be required for all renovations of apartment, industrial, commercial and retail centers and all renovations of public facilities.

Policy 50: The City shall continue to explore incentives for incorporating secure bicycle parking within existing developments for apartments, industrial, commercial and retail use.

Policy 51: On a case-by-case basis the City shall consider reducing automobile parking requirements if the development provides additional bicycle parking.

“European cities like Amsterdam cater to bicyclists...You get off the train and there is parking for 3,000 bikes. Getting on your bike is like tying your shoe. Everyone does it.” (Sierra Magazine, Sierra Club, September/October, 1998.)

Water, Restrooms and Benches

Objective R: The City acknowledges that bicyclists and pedestrians have a higher demand for public restrooms, water and benches and will make its best effort to plan accordingly.

“Planning for bicycling and walking involves more than just constructing bikeways and sidewalks. Providing ancillary facilities, such as bicycle parking, showers, lockers, and benches encourages people to use existing and proposed facilities.” (Bicycle and Pedestrian Planning Under the ISTEA, July 1997, pg. 79.)

Policy 52: Strategically placed water fountains shall be provided to make it easier for pedestrians and bicyclists to be outdoors and travel long distances.

Policy 53: Easily accessible and aesthetically pleasing public restrooms shall be provided wherever feasible.

Policy 54: At every opportunity the City shall install appropriate benches in public places.

Policy 55: The City shall require new and redevelopment projects to install public benches where appropriate.

Program 7: A map and matrix shall be created by the City identifying potential bench sites in public areas. This program shall aid the City in responding to citizen's requests to donate benches and shall be added as a later amendment to this Bicycle Plan by the PBAC.

Bicycles and Transit

Objective S: Fully integrate walking and bicycling needs into all local transit decisions.

Objective T: Support efforts by other transit agencies to accommodate bicycles on public transportation.

Policy 56: Bicycles shall be allowed on public transit at all times.

Policy 57: Bicycle parking and bicycle circulation shall be high priorities at any transit stop or area.

Program 8: Provision of appropriate bicycle parking in the form of bicycle lockers, and/or guarded parking shall be provided to encourage commuters to use bicycles as a transportation link.

Program 9: The City shall encourage Caltrans to provide appropriate bicycle lockers at all Park and Ride lots.

"...While hard core bicyclists will continue to ride in spite of a lack of parking facilities, that next layer of riders teetering on the brink can be turned into regular users if secure, convenient parking is available." (The Eugene Experience, Eugene, Oregon, 1981.)

Policy 58: The Central Petaluma Specific Plan area should be a model for bicycle and pedestrian access. Specifically, the Transit Center shall provide easy access from train or bus to bicycle or vice-versa so that commuters or visitors might not feel the need to use an automobile.

Program 10: The Central Petaluma Transit Center shall be encouraged to have bicycle maintenance and rental shops to encourage safety checks, for repair and for bicycle rental.

Program 11: The Central Petaluma Specific Plan area shall provide bicycle parking.

Program 12: To ensure safe use of bicycle lockers, the City shall have a policy in which the City retains a master key and the right to enter the locker at any time. (See Appendix H)

Program 13: Bicycle taxis to transport pedestrians shall be encouraged by the City in the Central Petaluma Specific Plan Area and throughout the City.

Program 14: Bicycle/Pedestrian support facilities shall be encouraged throughout the Central Petaluma Specific Plan area.

Program 15: The Central Petaluma Specific Plan area shall ensure safe direct links to all nearby Class I Bikeways, including the paths along the Petaluma River and Railroad rights-of-way.

"Provide at the earliest, most practical opportunity, pedestrian/bicycle access between transit terminals and the greenway trail system." (Petaluma River Access and Enhancement Plan, pg. 72.)

CHAPTER 5: BUILDING A BICYCLE/ PEDESTRIAN- FRIENDLY COMMUNITY

5.1 GOALS

- Goal 1:** Ensure non-auto travel is considered early in all development decisions.
- Goal 2:** Acknowledge that improved bicycle/pedestrian access, routes and support facilities enhance the City's ability to become a sustainable community.
- Goal 3:** Provide bicycle/pedestrian access to and through neighborhoods even where automobile vehicle travel is limited.
- Goal 4:** Develop land-use strategies to help lower dependence on the automobile.

5.2 OBJECTIVES, POLICIES AND PROGRAMS

Prioritizing Connections

Objective A: Make bicycle/pedestrian through-travel--between and within neighborhoods, commercial areas, parkways, urban greenbelts and schools--a high priority in the City of Petaluma, even in those areas where auto access is restricted.

Policy 1: The City shall actively encourage public transit and bicycle/pedestrian-oriented development.

Policy 2: Design parking lots to provide safe and efficient routes for pedestrians and bicycles.

Program 1: The City shall encourage the retrofitting of existing cul-de-sacs, whenever possible, with Class I Bicycle/Pedestrian Paths to provide enhanced bicycle/pedestrian linkage between neighborhoods.

Program 2: Provide the maximum amount of bicycle/pedestrian outlets in any new development. The City shall encourage cul-de-sacs which provide bicycle/pedestrian through connections.

Pedestrian Needs

Objective B: Ensure that pedestrian needs are considered concurrently with bicycle needs wherever appropriate.

Policy 3: The City shall create a "pedestrian" component as a later amendment to this Bicycle Plan, taking into consideration more completely the specific needs of pedestrians.

Policy 4: The City shall add a subsequent section to this document entitled "Code, Ordinances, and Standards & Specifications regarding Pedestrians," to update and clarify

City regulations pertaining to the pedestrian modality.

Promoting Bicycling

Objective C: Promote bicycling for local citizens as well as visitors.

Objective D: Utilize bicycle tourism to showcase bicycle use throughout the City and to provide a potential economic base for more bicycle facilities within the City.

Policy 5: The City shall encourage local merchants to develop a rewards program for customers who bicycle to the merchant's place of business.

Policy 6: The City shall encourage tourism by encouraging activities such as bicycle events.

Policy 7: The City shall promote and encourage events to involve and spotlight Petaluma bicyclists.

Policy 8: The City should promote historic and other City tours by bicycle.

Measuring Results To Know What Works

Objective E: Gather data wherever feasible to ascertain which bicycle and pedestrian improvements seem most effective in carrying out the Goals, Objectives, Policies and Programs of this Bicycle Plan.

Objective F: Attempt to increase bicycle commuting and pedestrian commuting each year by 5 percent.

Policy 9: The City shall continue to pursue ways to measure:

- The portion of the population receiving bicycle education and the results; and

- The portion of the population currently bicycling and how bicycle improvements are improving or discouraging bicycle transportation; and
- The accident statistics with regard to bicycles, pedestrians and automobiles.

Policy 10: The City shall use the information gained from surveys from Petaluma businesses and school Principals (See Appendix E for Sample Forms) to learn more about what is working for the citizens who bicycle and assess which improvements gain more users for the bicycle transportation system.

Policy 11: The City shall examine the year 2000 census data and compare commuting statistics with the censuses of 1980 and 1990.

Statistics

Commuting statistics from the 1980 and 1990 censuses indicate a number of important trends with regard to bicycle commuting.

- 1) The number of "Petaluma to Petaluma" commuters was up in 1990 by more than 2000 (to 8578 in 1990) and was the largest commute group by far.
- 2) The number of persons living in "Sonoma County" and commuting to work in "Petaluma" was up in 1990 (to 3964) and was the second largest commute group.
- 3) The number of "Petaluma to San Francisco" commuters was down by a small margin (to 2264 in 1990) in 1990 and of those, 30% used transit and 44% said they drove alone.
- 4) The number of "Petaluma to San Rafael" commuters was up (to 2235 in 1990) and of those, 1.8% said they used transit while 76% said they drove alone.

Statistics continued

- 5) Within the Petaluma to Petaluma commute, in 1980 4.1% was done by bicycle and 6.2% by walking, whereas in 1990 the numbers had dropped to 2.5% by bicycle and 5.8% by walking. In addition, a massive 69% in 1980 commuted by driving alone - a figure that in 1990 had risen to 76% of Petalumans driving alone to work.

Since the largest commute was Petaluma to Petaluma, this is the group this Bicycle Plan can target.

Mixed Use Neighborhoods

For the purposes of this document, the term “Mixed Use” is used to describe mixing residential with retail, industrial, and/or office. The Petaluma General Plan 1987-2005 specifically states, *“The intent of Mixed Use is to allow housing along with commercial uses.”* (pg. 36)

The segregation of home from business is a modern phenomenon which contributes to the greatest auto traffic generator there is: the multiple errands of daily life.

“Local governments can take a major step in fostering a more balanced transportation system by encouraging mixed use zones and compact land use development.” (National Bicycling and Walking Study, pg. 14.)

The General Plan encourages Mixed Use. (See Appendix D)

Objective G: Encourage Mixed Use throughout the City as a means of reducing car travel and increasing bicycle and pedestrian travel.

Policy 12: The City shall provide opportunities to create more combined “live

and work” environments.

Policy 13: The City shall pursue redesignating existing land available for development to Mixed Use zoning.

Policy 14: The City shall allow more flexibility in parking regulations for Mixed Use development.

Looking To Other Cities For Inspiration

Objective H: Continue to solicit and review progressive ideas relating to bicycling and walking from throughout the world.

Policy 15: The City shall look to other communities for inspiration in the realm of bicycle and pedestrian improvements. (See References for more information)

- DAVIS, CALIFORNIA.: The United States city that lays claim to the highest level of bicycle ridership is Davis, California with 25% of the total population commuting to work by bicycle. Although more than 50 percent of students bicycle to classes, half of all bicyclists in Davis are non-student working citizens.
- GRONINGEN, THE NETHERLANDS: “[Groningen] was named the “world’s Best City for Cycling” in the May 1992 issue of *Bicycling Magazine*... The ‘woonerf,’ or living yard concept, was developed by the Dutch during the 1970’s. In woonerven, pedestrians and bicyclists are not segregated from motor vehicles, but they do have priority over the motor vehicles. Woonerven are characterized by street furniture, play areas, designated parking spots, different surface materials, and regular changes in the vertical and horizontal road alignment—all of which reinforce the notion that non-motorized users have priority.” (National Bicycling and Walking Study, pg. 94.)

CHAPTER 6: PHYSICAL IMPROVEMENTS RECOMMENDATIONS

6.1 THE VISION IN WORDS

This chapter describes the City of Petaluma's Bicycle Circulation Map and Matrix 1999 contained at the end of this chapter. The Map displays the proposed bikeways and bicycle improvements and the Matrix lists them alphabetically and includes Priorities for Implementation. The text of this Chapter describes basic Goals, Objectives, Policies and Programs supporting the Map and Matrix.

Goal 1: Establish a bikeways network that connects north and south, east and west and that interconnects residential neighborhoods, major activity centers and major employment centers.

Goal 2: Fully utilize creek corridors for bicycle/pedestrian needs.

Goal 3: Expand the access to open land for bicycles and pedestrian travel.

Goal 4: Acknowledge the importance of keeping the downtown a central focus and design bicycle and pedestrian facilities to radiate out from there.

Downtown Is Important

(1987 Bicycle Plan: pg. 1)

"[The] most popular destination is 'downtown'."

(1998-2001, General Plan, Chapter 8, Objectives i, j, l and Policy 18)

- *"Reinforce the unique character of downtown."*
- *"Emphasize downtown's traditional role as the major commercial center."*
- *"Attract visitors and shoppers downtown."*
- *"Reinforce the pedestrian scale and character of the downtown."*

6.2 OBJECTIVES, POLICIES AND PROGRAMS

East/West Connections

Objective A: Connect the east and west sides of the City via a bicycle/pedestrian network that includes safe and easily accessible routes.

Objective B: Utilize the numerous creek corridors running east/west to provide safe off-street routes for bicyclists and pedestrians.

Objective C: Emphasize bicycle/pedestrian improvements on the Washington/East Washington Corridor.

Washington/East Washington

Washington Street is the historic east/west connector. It is an essential transportation link unifying Downtown, the Central Petaluma Transit Center, Kenilworth Recreation area, the shopping Centers at McDowell Boulevard and Washington Street, Prince Park and bicycle routes to County roads. The intersection of Washington Street and McDowell Boulevard has been named for many years as the busiest and biggest trouble spot for bicycle and pedestrian travel in the City.

1972: *"Of 9,500 questionnaires regarding bicycling sent in the water bills in 1972, 2,114 were returned. The two most common answers to the question "what street do you most often use when bike riding" were Washington (655) and McDowell (585)." (1974 Bike Study, pg. 6.)*

1974: *"Of all the streets in Petaluma, the highest 24 hour volume traffic count was at Washington Street by Kenilworth School." (Safest Route to School Study, pg. 12.)*

1993: *"The intersection of Washington Street and McDowell Boulevard was cited to be the most congested location within the City." (Petaluma Public Opinion Survey, 1993.)*

1998: *"Washington Street — every part is dangerous — no area for bikes at all."*

"Never attempt Washington and McDowell because it's terrible."

"Anywhere on Washington." (PBAC Survey, Winter 1998.)

No matter what City-wide automobile traffic improvements are planned to relieve congestion, Washington Street/East Washington Street will still need attention to make bicycle travel safe.

Policy 1: Any improvements to the "Washington/McDowell intersection" shall include improvements from the Ellis Street/Kenilworth Recreation Center area to Sonoma Mountain Parkway. The City shall extend improvements to the county line in both directions.

Policy 2: The East Washington Street corridor shall provide safe and efficient travel both on street and off-street, to the extent feasible. The off-street bicycle/pedestrian path shall traverse west along Washington Creek from the path's origin near Sonoma Mountain Parkway, pass under Highway 101 and then fork. One fork shall continue west to connect with the on-street East Washington Street bicycle lane, and the other shall travel north to connect to Madison Street and the Lynch Creek bicycle/pedestrian path.

Program 1: Discourage trail use within the Washington Creek channel during periods of hazardous high flood waters.

East/West Travel Through Corona Reach

The Corona Reach area is generally defined by Highway 101 on the east, Petaluma Boulevard on the west, Corona Road on the north and Lynch Creek on the south. It also includes one area on the east side of Highway 101 bordered by Rainier, McDowell and an industrial/office development to the south.

Policy 3: The City shall utilize the Corona Reach area as a vital transportation corridor connecting the east and west sides of Petaluma.

Program 2: The City shall follow the guidance of the Petaluma River Access

and Enhancement Plan in developing this area.

Program 3: The City shall acknowledge that the natural setting present in the Corona Reach invites a special, aesthetic treatment of the area, and provides the possibility of being a recreation and tourist attraction.

Program 4: The City shall create pathways under Highway 101 utilizing existing creek corridors, easements and pathways for pedestrian and bicycle east/west connections throughout Corona Reach.

Program 5: There shall be safe, accessible bicycle/pedestrian access across and down to the Corona Reach area from any Interchange/Cross-town Connector that is built.

Southern Crossing

Policy 4: There shall be safe, accessible bicycle/pedestrian access across and down to the Petaluma River corridor if a “Southern Crossing” is built from Petaluma Boulevard South to Caulfield Lane.

Other Creeks and Crossings

Policy 5: Maintenance roads along County and City flood channels shall be utilized and/or developed for bicycle/pedestrian use.

PUBLIC OPINION POLL, 1995

“...open and develop maintenance roads as new regional trails alongside flood control channels (64% favor, 23% oppose)” (Public Opinion, Attitudes, and Priorities for Regional Parks and Recreation Facilities, Sonoma County Regional Parks Department, 1995, pgs. 2 and 8.)

Policy 6: Utilize all creek corridors, drainage areas and marshland to the largest extent feasible for public access. Where bicycle access is not feasible, pedestrian access shall be considered.

Kenilworth Overpass

Policy 7: The City and its Police Department shall work with the school district and neighbors to open the Kenilworth Overpass for safe twenty-four hour bicycle access.

“The Kenilworth crossing of U.S. 101...needs nearby development near its west end, to provide for activity levels more conducive to safe passage across the bridge.” (Petaluma General Plan 1987-2005, pg. 106.)

“It’s a cheap way to get across [the Freeway] without spending money because it’s already built.” (Participant, PBAC Public Input Meeting, 2/7/98.)

Petaluma River Crossings

Policy 8: Any existing crossing of the Petaluma River shall provide bicycle/pedestrian access where feasible.

Policy 9: All new or rebuilt crossings of the Petaluma River shall include bicycle/pedestrian facilities.

Program 6: The Railroad Bridge by the Marina shall have a bicycle/pedestrian path constructed whenever it is upgraded.

North/South Connections

Objective D: Connect the north/south ends of the City via a bicycle/pedestrian network that includes safe and easily accessible routes.

Objective E: Fully implement a bicycle/pedestrian path wherever feasible along all Railroad rights-of-way.

Objective F: Fully implement the bicycle and pedestrian components of the Petaluma River Access and Enhancement Plan.

Objective G: Protect the rights of bicyclists to use Highway 101 south of Petaluma, until a fully functional north/south Rail Trail is completed along the Railroad right-of-way.

Objective H: Place special emphasis on implementing bicycle/pedestrian improvements to Petaluma Boulevard, since it is an essential and historic transportation link through downtown.

Railroad Access Opportunities

Policy 10: The City shall develop a railroad bicycle path, referred to as “**Rail Trail**” in this document, along the entire Railroad right of way within Petaluma’s jurisdiction.

Policy 11: The City shall support efforts to extend the Rail Trail north and south to connect to the adjacent cities and beyond, and shall support the vision of a unified bicycle/pedestrian Rail Trail extending through both Marin and Sonoma counties.

Policy 12: All City departments shall work with the agencies responsible for management of the Northwestern Pacific Railroad Authority (NWPRRA) right-of-way, in order to fund, design and construct the Rail Trail.

“A conceptual plan for a north-south bikeway using the NWPRR right-of-way has now been on the books for almost 20 years, but little has been done to realize this goal.” (Marin County North-South Bikeway Feasibility Study, 1994, pg. 1.)

Policy 13: The City shall be actively involved in any Railroad or highway upgrade to integrate concurrent construction of the Rail Trail.

Policy 14: The Rail Trail shall serve as a main artery to connect all existing east/west paths and adjacent neighborhoods. Special attention should be paid to bicycle/pedestrian connections within developing areas such as Corona Reach, the Central Petaluma Transit Area and the Petaluma Boulevard South Area.

Policy 15: The City shall develop bicycle paths on all spur lines to connect with their respective neighborhoods and with the main Rail Trail.

Program 7: Wherever feasible, have the Rail Trail on both sides of the Railroad tracks.

Program 8: Communicate clearly to the Sonoma County Transportation Authority (SCTA) the importance of this Rail Trail for travel both within Petaluma and between cities in Sonoma and Marin Counties.

Program 9: The preferred location for the bicycle/pedestrian connection between Petaluma and Novato is the Rail Trail.

“Utilize abandoned railroad rights-of-way to link open space lands and activity centers.” (Petaluma General Plan 1987-2005, Chapter 6, Program 4.)

Frontage Road Along 101

Policy 16: Utilize the maintenance road adjacent to the west side of Highway 101 in the Corona Reach area for bicycle/pedestrian use, making clear and safe connections to all east/west paths developed in the Corona Reach area.

Petaluma River Access and Enhancement Plan

“...The river corridor will again become the most significant unifying feature of the City.” (Petaluma River Access and Enhancement Plan, pg. 9.)

Policy 17: The City shall develop the full access trail system and other bicycle/pedestrian improvements detailed in the Petaluma River Access and Enhancement Plan.

Policy 18: The PBAC shall assist in setting priorities to implement the bicycle/pedestrian trails in the Petaluma River Access and Enhancement Plan.

Policy 19: Develop riverfront public access that at the same time encourages continued use of river-related heavy commercial/industrial activities such as the Jerico and Shamrock operations. Future river-side trails in these areas should be enacted at such time as existing industrial uses change or by mutual agreement between City and industrial businesses.

Petaluma Boulevard

Policy 20: The City should consider creating Class II bicycle lanes on the entire length of Petaluma Boulevard.

Urban Separator

The General Plan speaks strongly about the importance of the Urban Separator and its relationship with both recreational and transportation opportunities.

“The ‘urban separator’ is visible band of open space at the edge of allowable urban development...It provides an edge that buffers farmland from urban land and vice versa, serves as a

recreational area, and acts as a key component of the City's open space system.” (Petaluma General Plan 1987-2005, Chapter 4, pgs. 31-32.)

The General Plan also stresses the need to expand the Urban Separator.

“Continue to extend the urban separator whenever and wherever possible.” (Petaluma General Plan 1987-2005, Chapter 4, Objective H.)

“Use all feasible means to acquire and protect the urban separator.” (Petaluma General Plan 1987-2005, Chapter 4, Program 5.)

“The City shall extend the length of the urban separator where feasible, at a maximum width of 300 feet.” (Petaluma General Plan 1987-2005, Chapter 4, Policy 14.)

“Continue to identify scenic routes in Petaluma and non-vehicular routes in the urban separator.” (Petaluma General Plan 1987-2005, Chapter 6, Policy 5.)

Objective I: Establish bicycle/pedestrian access along any existing and future Urban Separator wherever feasible.

Objective J: Close gaps in the Urban Separator whenever and wherever feasible in a manner that supports bicycles and pedestrians.

Policy 21: The Land Use map should be amended to reflect the desire for a continuous Urban Separator.

Policy 22: The City shall provide pedestrian trails and benches in the Urban Separator wherever terrain is simply too steep to allow bicycle access.

Policy 23: As development and redevelopment occur, the City should require public access from the nearest street to the Urban Separator.

This Bicycle Plan considers the Urban Separator to be an important link which someday could and should ring the City. Since the General Plan Objective 4 H says to continue to “expand the Urban Separator wherever possible,” this Bicycle Plan recommends revising the Land Use Map to modify the Urban Separator to eventually ring the City.

Open Areas

For the purposes of this document, “Open Areas” mean: parks, rights-of-ways, paths, open space, City owned property, utility corridors, publicly-used land, and school yards. It is hoped that all “Open Areas” will some day include bicycle/pedestrian access. (See page 16 for definition of “bicycle/pedestrian access”)

Objective K: Ensure that all accessible Open Areas promote an atmosphere friendly to bicycle/pedestrian access.

Objective L: Consider all parks to be destination points for bicycle travel and provide bicycle parking near the entrances of all parks.

Objective M: Acknowledge the need for Open Areas for passive recreational opportunities for walking or sitting as well as for active opportunities such as bicycling. Thus even small steep open space parcels can be valuable and important. Simple land preservation with public access and no improvements is also desired.

Objective N: Assure that Open Areas which may be too steep for bicycle riding by all bicyclists are nonetheless considered for

bicycle/pedestrian access, recognizing that bicyclists may want to walk their bicycles through steep areas as part of a longer bicycle route.

Objective O: Ensure that available opportunities are pursued for creating Open Areas with bicycle/pedestrian access to and over ridgetops, and along waterways and scenic riparian areas.

According to the Public Opinion, Attitudes, and Priorities for Regional Parks and Recreation Facilities, Sonoma County Regional Parks Department, “*There's a consensus among county residents that they want passive park and recreation facilities that they can visit.*” (pg. 1.)

And when residents were asked how they judged the current need for a variety of recreation facilities that could or might be added to the Regional Parks system, “*The highest number [58%] said they wanted 'more unimproved natural open space.'*” (pg. 7.)

Policy 24: The City shall strive to provide Class I Bicycle/Pedestrian Paths where feasible and appropriate in all rights of way, including, but not limited to, those of PG&E, City or County utilities, Sonoma County Water Agency, and the State Department of Fish and Game.

Policy 25: The Bicycle Coordinator/PBAC shall make recommendations regarding placement of bicycle parking in City parks and other Open Areas.

Policy 26: The City shall consider all Open Areas to be areas in need of benches.

Program 10: A list of potential bench sites in all public areas, including areas defined here as “Open Areas,” shall be added as a

later amendment to this plan so that when a citizen wishes to donate a bench there are existing sites from which to choose.

Program 11: Safe bicycle travel to and through all Petaluma parks shall be a high priority.

Bay Area Ridge Trail and San Francisco Bay Trail

Objective P: Support the Bay Area Ridge Trail's and San Francisco Bay Trail's access to and through the City, acknowledging the importance of regional trails connecting the nine Bay Area counties.

Policy 27: The City of Petaluma shall work with the County and cities along the Petaluma River Corridor to encourage river-oriented bicycle/pedestrian access throughout the entire Petaluma River corridor to San Pablo Bay, with enough space to serve equine access where feasible.

Policy 28: The City of Petaluma shall encourage the Bay Area Ridge Trail in its connection of Marin and Sonoma Counties from trails from the Marin County Trails Master Plan out of Mt. Burdell Open-Space Preserve north to Helen Putnam Regional Park. The Ridge Trail shall continue through Petaluma to the Old Adobe State Historic Park and connect via Lafferty Ranch Park to Jack London Historic Park.

Policy 29: The City shall encourage directional signs for the Bay Area Ridge Trail and the San Francisco Bay Trail.

Policy 30: The PBAC, in conjunction with the North Bay Trail Division of the Bay Area Ridge Trail Council, shall realign the Bay Area Ridge Trail within the City to provide off-road trail segments as they become available, with particular emphasis on the River Plan Area and the Adobe Creek Trail System.

"People used to live outside. It used to be a luxury to be inside. Now it is a luxury to be outside. This is an important thing to incorporate into our lives." (Dee Swanhuysen, North Bay Trail director for the Bay Area Ridge Council, speaking at "Community Forum: Bikes, Trolleys, Trains and Trails," 6/14/93.)

Schools

Objective Q: Encourage all schools within the City of Petaluma sphere of influence to consider their significant role both as large automobile traffic generators and as large land-owners with the capacity to provide much through-town bicycle/pedestrian travel.

Policy 31: The City Council, the Santa Rosa Junior College (Petaluma Center), and School Boards of Petaluma shall negotiate appropriate bicycle/pedestrian access routes through schools for the use of parents, children and community.

Policy 32: The City Council, the Santa Rosa Junior college (Petaluma Center), and School Boards of Petaluma shall meet regularly to work out issues of shared responsibility with regard to such issues as automobile traffic generation and bicycle/pedestrian access.

Policy 33: The routes shall be clearly signed where necessary to clarify restriction such as hours or usage, "walk bikes," etc.

Policy 34: The Police shall regularly patrol all school bicycle/pedestrian routes and paths.

Alleys

Objective R: Utilize alleys and maintain them appropriately in order to route bicycles and pedestrians off the main roads wherever feasible.

Policy 35: The City shall maintain alleys such as American and Telephone Alley in safe condition for bicyclists and pedestrians and sign accordingly.

Traffic Calming

“Studies in Germany indicate that the number of traffic fatalities involving pedestrian and bicycle collisions with automobiles decreased by almost 50% as a result of speed reductions from 50km to 30km (approximately 18 mph) in the experimental zones.” (Bicycle Facility Planning, American Planning Association, pg. 12.)

Objective S: Acknowledge that “traffic calming” of cars -- and bicycles where relevant -- is an integral element to the success of the bicycling and walking transportation modes.

Objective T: Set a vision for future traffic calming in the City of Petaluma to promote safe modes of transportation.

Policy 36: The City shall install “Share the Road” signs (See Figure 3) to remind automobiles that bicycles are present and legal and to help calm traffic. Requests for such signs shall be routed by the Traffic Engineer through the PBAC for review and approval or to provide recommendations.

Policy 37: The City shall consider narrowing the streets and widening the sidewalks/bicycle lanes/shoulders whenever roads are upgraded.

Policy 38: The next Petaluma General Plan 1987-2005 update shall revisit the issue of street narrowing and street capacity for arterial, collector, and local streets.

Policy 39: The City shall examine the use of bicycle- and pedestrian-friendly traffic

calming methods, including examination of the following ideas:

- **Vehicle-free Zones:** Create vehicle-free zones, where bicycles/pedestrians are acceptable.
- **Bicycle Roundabouts:** Use bicycle roundabouts. (In use by Davis, California)
- **Vehicle Roundabouts:** Encourage the use of roundabouts to calm automobile traffic in busy intersections. Roundabouts shall also accommodate Bicycle and pedestrian traffic. (See Figures 6 and 7)
- **Bicycle Boulevards:** Create one or more bicycle boulevards where feasible. Bicycle boulevards are described in Chapter Four.

“Seattle, Washington has a popular neighborhood traffic control program that offers a number of traffic control designs, including circles. Installation is at the request of a minimum of 60% of the residents on the affected blocks. Findings of a study of 14 problem intersections in Seattle found that accidents both at the intersections and within a one-block radius decreased dramatically after the installation of traffic circles at the intersections...Cost of installation is approximately \$5,000 to \$6,000 each. Traffic circles are usually landscaped by the city; residents maintain the landscaping.” (Bicycle Facility Planning, American Planning Association, pg. 13.)

Bicycle Parking

Objective U: Require secure bicycle parking at strategic locations throughout the City.

"Bikes need parking places too!"
(Participant, PBAC Public Input
Meeting, 2/7/98)

Policy 40: The City shall designate specific areas in which bicycle parking is needed on the City of Petaluma Bicycle Circulation Map and shall make bicycle parking requirements clear in the Petaluma Municipal Code and the City of Petaluma Zoning Ordinance. (See Appendix A)

6.3 CITY OF PETALUMA BICYCLE CIRCULATION MAP 1999

The attached Bicycle Circulation Map 1999 replaces the Bicycle portion of the Circulation Map of 1992 and is the General Plan's current Bicycle Circulation document. The Map shows all specific on-street improvements mandated by this Bicycle Plan and lists all recommended Class I, II, and III Bikeways, as well as bicycle boulevards and Pedestrian-Oriented Areas. The map also may include recommendations for site-specific bicycle parking and specify road sign locations deemed necessary for safety.

6.4 BICYCLE PLAN PRIORITIES AND BICYCLE PLAN MATRIX OF PROPOSED BIKEWAYS 1999

All of the recommendations made on the Bicycle Circulation Map 1999 are listed alphabetically on the Bicycle Plan Matrix of Improvements and Priorities 1999. In addition, five project priorities are listed for the City of Petaluma.

PBAC PROJECT PRIORITIES

Northwestern Pacific Railroad (NWPR) “Rail Trail”
 Petaluma Boulevard
 Petaluma Waterways Trails
 Safe Ways To and Through Schools
 Washington Street/Creek Corridor

*Priorities listed in alphabetical order not preference.

BICYCLE PLAN MATRIX OF PROPOSED BIKEWAYS 1999

Route Segments	Improvement Type	Begin Point	End Point
On Street Bikeways			
2nd Street	Class II or Boulevard	B Street	H Street
6th Street	Class II	A Street	Mountain View Avenue
Albin Way/Marguerite Way	Class II	Crinella Drive	Caulfield Lane
B Street	Class II	2nd Street	Windsor Drive
Bantam Way	Class II	Bodega Avenue	Western Avenue
Baywood Road	Class II	Crinella Drive	Petaluma Marina
Bodega Avenue	Class II	Howard Street	City Limit
Burlington Drive	Class II	Lynch Creek	Washington Creek
C Street	Class II	Petaluma River Trail	Petaluma Boulevard North
Cader Lane	Class II	Shollenberger Park	Lakeville Highway
Casa Grande Road	a) Class I	Old Adobe Road	Ely Boulevard South
	b) Class II	Lakeville Highway	Rocky Memorial Park
Castle Drive	Class III	Urban Separator Path	Lynch Creek Path
Caulfield Lane	a) Class II	Garfield Drive	Weisman Park
**proposed southern crossing	b) Class II	Petaluma Boulevard South	Lakeville Highway
Cherry Street	Class II	Keokuk Street	Elm Drive
Colombard Road	Class III	Sonoma Mountain Parkway	Maria Drive
Copeland Street	Class II	Madison Street Extension Path	East D Street
Corona Road	Class II	Petaluma Boulevard North	Ormsby Avenue
Crinella Drive	Class II	McGregor Avenue	Casa Grande Road
D Street	Class II	Payran Street	City Limit
Dana Street	Class II	Woodale Drive	Webster Street
Edith Street	Class II	Petaluma River Trail	Madison Street
W. El Rose	Class III	Hayes Avenue	B Street
Elm Drive	Class III	Magnolia Avenue	Schuman Lane
Ely Road	Class II	Old Redwood Highway	Corona Road
F Street	Class II	Petaluma River Trail	Petaluma Boulevard North
Fairgrounds (through parking lot)	Class II	Payran	Kenilworth Park

Route Segments	Improvement Type	Begin Point	End Point
N. Fair Street	Class III	Western Avenue	Brainerd Avenue
On Street Bikeways			
First Street	Class II	Turning Basin	H Street
Frates Road	a) Class II	Calle Ranchero Drive	Old Adobe Road
	b) Class I	Ely Boulevard South	Old Adobe Road
G Street	Class III	1st Street	Sunny Slope Avenue
Gossage Avenue	Class III	Petaluma Boulevard North	Magnolia Avenue
Grant Avenue	Class II	Mountain View Avenue	I Street
H Street	Class II	Petaluma River Trail	Petaluma Boulevard North
Hayes Avenue/Hinman Street	Class II	Webster Street	B Street
Hayes Avenue	Class III	Webster Street	End of Hayes
Howard Street	Class II	West Street	A Street
I Street	Class II	Petaluma Boulevard South	City Limit
Kelly Lane	Class III	End of Kelly Lane	Melanie Court
Keokuk Road	Class II or Boulevard	Magnolia Avenue	Washington Street
Lakeville Highway	Class II	Caulfield Lane	Bay Trail
Mackenzie Avenue	Class II	Kenilworth Overpass	South McDowell Boulevard
Madison Street	Class II	Washington Creek	Lakeville Street
East Madison Street	Class II	Sonoma Mountain Parkway	North McDowell Boulevard
McGregor Avenue	Class II	Sutter Street	South McDowell Boulevard
Magnolia Avenue	Class I	Petaluma Boulevard North	Gossage Avenue
Maria Drive	Class II	Monroe Street	South McDowell Boulevard
McDowell Boulevard	a) Class II	Old Redwood Highway	Corona Road
	b) Class II	South Point Boulevard	McKenzie Avenue
	c) Class II	Fisher Drive	Lakeville Highway
	d) sidewalk	Corona Road	Old Redwood Highway
McNear Avenue	Class II	Petaluma Boulevard South	Country Club Park
Mountain View Avenue	Class III	Petaluma River	Purrington Road
Old Adobe Road	Class II	Casa Grande Road	Bay Trail
Old Redwood Highway	Class II	Old Adobe Road	Petaluma Boulevard North
Factory Outlet Mall entrance	Class II	Petaluma Boulevard North	Outlets
Paula Lane	Class III	Schuman Lane	Bodega Avenue
Payran Street	Class II	Petaluma Boulevard North	Caulfield Lane
Petaluma Boulevard North and South	Class II	Stony Point Road	Southern City Limit
Purrington Road	Class III	Mountain View Avenue	I Street
Rainier Circle	Class II	Pembridge Street	Sonoma Mountain Parkway
Rebecca Drive/Jasmine Lane	Class II	Bodega Avenue	West Street
Redwood Way	Class II	Old Redwood Highway	North McDowell Boulevard
Ridgeview Drive	Class III	Westridge Avenue	Sunny Slope Road
Riesling Road	Class II	Capri Creek Court	Mustang Court

Route Segments	Improvement Type	Begin Point	End Point
Schuman Lane	Class III	Elm Drive	Paula Lane
On Street Bikeways			
Shasta Avenue	Class I & II	Petaluma Boulevard North	Railroad Path
Skillman Lane	Class II	Petaluma Boulevard North	Cinnabar School
Sonoma Avenue	Class III	North Webster Street	North Fair Street
Sonoma Mountain Parkway	Class II	Rainier Avenue	East Washington Street
Southpoint Boulevard	Class II	Wood Sorrel Drive	DMV/Capri Creek Path
Stuart Dr./Kresky Way/St. Francis Drive	Class II	McKenzie Avenue	South McDowell Boulevard
Sunny Hill Drive	Class III	Sunnyslope Avenue	End of Sunny Hill Drive
Sunny Slope Road	Class II	Smith Drive	I Street
Sycamore Lane	Class II	White Oak Circle	Petaluma Boulevard North
E. Washington Street	a) Class II	Old Adobe Road	Prince Park
	b) Class I	Maria Drive	101 Interchange
	c) Class II	101 Interchange	Petaluma Boulevard North
Webster Street	Class II	Western Avenue	B Street
North Webster Street	Class II	Rebecca Drive	Western Avenue
Weller Street	Class II	Washington Street	East D Street
Western Avenue	a) Class II	Petaluma Boulevard North	Howard Street
	b) Class II	Webster Street	Windsor Drive
Westridge Drive	Class III	I Street	Ridgeview Drive
Windsor Drive	Class II	Cambridge Lane	D Street
Off Street Bikeways			
Adobe Creek	Class I	South McDowell Boulevard Extension	Old Adobe Road
Arroyo Park (parallel to Marylyn Circle)	Class I	Ely Boulevard South	Garfield Drive
Arroyo Park (parallel to Village East)	Class I	Ely Boulevard South	Garfield Drive
Capri Creek	Class I	McDowell Boulevard North	Petaluma River
	Class I	Old Adobe Road	Sonoma Mountain Parkway
Casa Grande High School	Class I	Juliet Drive	Casa Grande Road
Casa Grande High School	Class I	Crinella Drive	Casa Grande High School
Cedar Grove Property	Class I	Edith Street	Lakeville Street
Central Petaluma	Class I or Boulevard	Turning Basin	Proposed Washington Street Roundabout
Corona Creek	Class I	Old Adobe Road	North McDowell Boulevard
Corona Creek	Class I	Sonoma Mountain Parkway	Riesling North McDowell Boulevard
Corona Creek (parallel to Highway 101)	Class I	McDowell Boulevard North	Capri Creek Path
Fairgrounds	Class I	East D Street	Kenilworth Overpass
Grant Park	Class I	East Sunny Slope Road	McNear Avenue
Kelly Creek	Class I	Helen Putnam Park Path	Sunny Slope Avenue
La Tercera Elementary School	Class I	Baywood Drive	La Tercera Elementary

Route Segments	Improvement Type	Begin Point	End Point
			School
Off Street Bikeways			
Lynch Creek	a) Class I	Community Center	Petaluma River
	b) Class I	Old Adobe Road	Sonoma Mountain Parkway
Madison Street Extension	Class I	Madison Street	Petaluma River Trail
Mary Collins Elementary School	Class I	Cindy Lane	Mary Collins Elem. School
Miwok Park	Class I	Santa Clara Lane	Miwok Valley Elementary School
Northwest Pacific Railroad	Class I	Northern City Limit	Southern City Limit
Oak Hill Park	Class I	Howard Street at Oak Street	Rebecca Drive
Old NWPR Right of Way	Class I	Under US 101	Rocky Memorial Park
Pathway	Class I	Wood Sorrel Drive	Maria Drive
Pathway	Class I	Maria Drive	Merlot Court
Pathway	Class I	Sonoma Mountain Parkway/Capri Creek Path	Proposed Retail Adjacent to SRJC
Pathway (parallel Highway 101)	Class I	Lynch Creek Path	Deer Creek Path
Pathway (parallel Graylawn Avenue)	Class I	Bernice Court	Petaluma River Path
Pathway	Class I	Samuel Drive	Jessie Lane
Pathway	Class I	Magnolia Avenue at Elm	Jessie Lane
Pathway	Class I	Eddie Way	Sycamore Lane
Pathway	Class I	Magnolia Avenue	Cypress Hills Cemetery
Pathway	Class I	Sousa Court	Blossom Court
Pathway	Class I	Dana Street	Hayes Avenue
Pathway	Class I	English Street	Hayes Avenue
Pathway	Class I	Parkland Way	Sky Ranch Drive
Pathway	Class I	Rocky Memorial Dog Park	Adobe Creek Path/Shollenberger
Pathway	Class I	D Street	Sunnyslope Road
Pathway	Class I	Sunny Hill Drive	Sunnyslope Road
Pathway	Class I	Melanie Court	Kelly Lane
Pathway	Class I	Melanie Court	Halsey Avenue
Pathway	Class I	Glen Eagle Drive	Mountain View Avenue
Pathway	Class I	Bear Creek Court	Mountain View Avenue
Pathway	Class I	Hilligoss	N. Webster Street
Pathway	Class I	Brainerd Avenue	Valley Vista Elem. School
Petaluma Junior High School	Class I	Bantam Way	N. Webster Street
Petaluma High School	Class I	Fair Street	Webster Street
Petaluma River	Class I	Willow Brook Creek	Southern City Limit
Prince Park	Class I	Lynch Creek Path	Washington Creek Path
Rainier Extension	Class I	Rainier Avenue	Railroad Path
Stony Point Road	Class I	Old Redwood Hwy	Santa Rosa

Route Segments	Improvement Type	Begin Point	End Point
St. Vincent's High School	Class I	Keokuk Street	Cherry Street
Off Street Bikeways			
Sunrise Park	Class I	Wood Sorrel Drive (West end)	Sunrise Park Path/McDowell Path
Urban Separator	Class I	Wherever Appropriate	
	Class I	Capri Creek	Corona Creek
	Class I	Casa Grande Road	St Augustine Circle
	Class I	Photinia Place	Maxwell Property Path
East Washington Creek	a) Class I	East Washington Street	Municipal Airport
Washington Creek	b) Class I	Old Adobe Road	Petaluma River
Willowbrook Creek	Class I	NWPR Path	Petaluma Creek

CHAPTER 7: IMPLEMENTATION

7.1 IMPORTANCE OF IMPLEMENTATION

"A plan means nothing if it sits on the shelf. There are no good solutions unless they are implemented." (Marilyn Smulyan, San Francisco Bicycle Advisory Committee, Speech in Oakland, 4/4/93.)

"The greatest challenge, even for the agencies that have developed strong bicycle and pedestrian plans, will be implementing these plans over the next few years....A gulf exists between LRP's [long range plans] and TIP's [documents actually budgeting the expenditure of money] which means that ambitious bicycle facility networks or pedestrian improvements are more likely to stay in the 'unfunded' portion of an LRP than become part of the TIP." (Bicycling and Pedestrian Planning Under ISTEA, pg. 2.)

Goal 1: Ensure that bicycle and pedestrian planning becomes part of the community fabric and that this Bicycle Plan's Goals, Objectives, Policies, Programs and Priorities are implemented.

7.2 OBJECTIVES, POLICIES AND PROGRAMS

Institutionalizing the PBAC

Objective A: Ensure that the Bicycle Coordinator/PBAC remain active and viable participants within the City of Petaluma.

Policy 1: As a vehicle for implementing the Petaluma Bicycle Plan, the PBAC shall continue to be funded as a committee.

"The presence of a regular committee with a body of wisdom shared by the continuing members provides a buffer against...losses [of staff]...Under the guidance of the committee, three bicycle coordinators [in ten years] gained their stripes and two traffic engineers learned to think bicycles." (National Bicycling and Walking Study, as quoted by City of Eugene, Oregon, pg. 96.)

Policy 2: The City shall appoint a paid member of the City Planning staff as "Bicycle Coordinator" whose job shall include monitoring bicycling as well as pedestrian issues both within the entire transportation network and with regard to development and redevelopment.

Policy 3: The Bicycle Coordinator shall serve as liaison with the PBAC, and shall be allocated a sufficient number of hours to support the PBAC in its tasks and to follow up bicycle issues within the City and County structure.

Policy 4: The Bicycle Coordinator shall ensure that City staff provide pertinent documentation both to the Bicycle Coordinator and to the PBAC.

"...eight of the top ten cities for bicycling as rated in 'Bicycling' magazine have bicycling Program Coordinators." (National Bicycling and Walking Study, pg. xii.)

Funding/Budget

Objective B: Use the Goals, Objectives, Policies, Programs and Priorities identified in this Bicycle Plan as a guide for developing bicycle transportation and a perspective when making automobile and other transportation decisions.

Objective C: Seek funding from all available sources to implement this Bicycle Plan.

Objective D: Involve the PBAC actively in funding decisions at the City, County and State levels.

Policy 5: The Bicycle Coordinator/PBAC shall participate in the regular updating of the Alternative Transportation element of Petaluma's Capital Improvement Projects (CIP).

Policy 6: The Bicycle Coordinator/PBAC shall review and monitor MTC's and the state Department of Transportation's (DOT's) improvement and funding plans as they pertain to bicycling and pedestrian issues. The Bicycle Coordinator/PBAC shall review the plans to ensure that they reflect the Goals, Objectives, Policies, Programs and Priorities of the Petaluma Bicycle Plan.

"Almost every MPO's TIP that was reviewed listed highways to be built or rebuilt to standards that did not include provisions for bicyclist and pedestrians. Typically, two-or four - lane roads are being upgraded to five-lane highways without including shoulders, bike lanes, or wider outside lanes to accommodate bicyclists, or sidewalks and crosswalks to accommodate pedestrians. (Bicycle and Pedestrian Planning Under ISTEA, 1997, pg. 13.)"

Policy 7: All City Departments shall ensure that bicycle facilities are implemented in conjunction with development.

Policy 8: All City departments shall ensure that bicycle/pedestrian improvements are routinely included in all infrastructure projects.

Policy 9: The City shall actively pursue federal, state, regional, and local funding sources, as well as private funds through corporations, foundations and individuals, for the development of new and improvement of existing bicycle/pedestrian facilities throughout the City.

"Increased funding is a prerequisite to expanding efforts to increase bicycle transportation. The level of funds supporting bicycle program activities determines their success to a large extent." (Seattle Comprehensive Bicycling Plan, Summary, pg. 9.)

Program 1: Secure matching funds with other agencies to build or improve bicycle/pedestrian facilities.

Program 2: The City Engineering Department including the Traffic Engineer shall meet with the Bicycle Coordinator/PBAC twice a year to review the Alternative Transportation Section of the CIP and develop a list of projects, their priority and the appropriate funding sources.

Program 3: The PBAC shall be actively involved in updating priorities for all bicycle/pedestrian projects.

Program 4: The Bicycle Coordinator/ PBAC shall semi-annually review the County CIP to compare its goals to the Petaluma Bicycle Plan projects and ideals.

Program 5: Develop inter-jurisdictional agreements as needed for acquisition, development and maintenance of bicycle facilities.

Program 6: All City departments shall work together with County agencies to form partnerships to secure funding for bicycle projects which connect City and County lands and/or infrastructure.

Program 7: The City shall include bicycle/pedestrian needs in the calculation of all Traffic Impact Fees and for every project shall designate a certain amount of the Traffic Mitigation Fees for bicycle/pedestrian facilities.

Program 8: The City shall consider using a portion of the Transient Occupancy Tax for bikeways and other bicycle/pedestrian facilities with the understanding that visiting bicyclists are a desirable and increasing tourist group.

Program 9: Utilize Redevelopment Funds for bicycle/pedestrian amenities where appropriate.

"Encourage the use of City Redevelopment funds as necessary to complete planned public improvement programs." (Petaluma General Plan 1987-2005, Chapter Eight, Program 42.)

Part Of The Information/ Decision-Making Flow

Objective E: Develop an institutional structure that gives the Bicycle Coordinator/PBAC review of all projects that will impact travel within the City.

Policy 10: The City shall provide clear, timely staff reports to the PBAC.

Policy 11: The City shall encourage continuing education and training for City staff to create awareness of bicycle and pedestrian needs and of the importance of planning for bicycle and pedestrian travel at the start of the process.

Policy 12: The City shall route development plans to the Bicycle Coordinator/PBAC in a timely fashion, allowing consideration of bicycle/pedestrian issues early in the process as well as involving the PBAC in the ongoing and final review phases of projects.

Many projects spend months at staff level. There is obviously surprise if big changes are requested down the line after so much in-house discussion. A solution for the problem is PBAC involvement both earlier in the process and all along the way as changes occur.

Program 10: The PBAC shall be on the "Petaluma Planning Division Project Referral" List (See Appendix G) and shall review any project involving residential and commercial development, transportation improvements, pertinent Park and Recreation projects, and any other projects affecting travel within the City.

Program 11: The City shall provide the PBAC with a list of possible bicycle projects available for TDA Article 3 funding. The PBAC shall review and make recommendations for appropriate bicycle projects.

Program 12: The Bicycle Coordinator/ PBAC shall have regular contact with all City departments--Public Works, Transit, Planning, Engineering, Park and Rec., Police, Fire--and be provided notice of funding requests regarding construction and maintenance of bicycle/pedestrian facilities.

Program 13: Disposal of any public property within the City's Urban Growth Boundary shall be sent to the Bicycle Coordinator/PBAC for discussion regarding the feasibility and desirability of retention of bicycle/pedestrian access.

Program 14: Any change to the City of Petaluma Municipal Code, the City of Petaluma Zoning Ordinance or the Street Design and Construction Standards & Specifications affecting travel within the City of Petaluma shall be referred to the Bicycle Coordinator/PBAC. For those changes requiring referral to the Planning Commission or City Council, the proposed change shall be referred to the Bicycle Coordinator/PBAC before consideration by those bodies. For those changes which can be implemented by staff, the change shall be referred to the Bicycle Coordinator/PBAC before implementation.

"Amend the zoning ordinance to address the construction of bikeways and facilities in the planning review process," (Petaluma General Plan 1987-2005, Chapter 10, Program 34.)

Program 15: A member of the PBAC shall become a member of the Traffic Advisory Committee.

General Plan Update

Objective F: Include PBAC bicycle/pedestrian input in the next Petaluma General Plan update.

Policy 13: The Bicycle Coordinator/PBAC shall provide formal input during the next Petaluma General Plan 1987-2005 update and help elicit public input on bicycle/pedestrian issues.

Policy 14: The overall outreach effort for the General Plan Update should solicit and encourage people with an interest in the bicycle/pedestrian transportation modalities.

Program 16: The "Transportation" section of the General Plan update should include expanded discussion of incentives to increase bicycle-commuting and other non-automobile-commuting, and incentives to reduce auto-commuting (Source: Palo Alto General Plan, Transportation Section). In addition, the street capacities for all types of streets should be made flexible to allow the Traffic Engineer to propose traffic calming measures such as street narrowing without violating General Plan mandates.

Program 17: The "Economics" section of the next General Plan should present a vision which clearly ties the economic benefits of cycling and of reduction in automobile use to the economic goals of the General Plan. The Economics section should also discuss the economic benefits of mixed use, as it relates to the increase in bicycling and walking.

Program 18: The "Land Use and Growth Management" section of the next General Plan should include clear discussion describing the benefits which Mixed Use zoning can provide for the community. This section should include an amendment of the Land Use Map to reflect the desire for a continuous Urban Separator and to reflect a device for bicycle/pedestrian access along the Urban Growth Boundary wherever possible.

Program 19: The "Air Quality" section of the next General Plan should include the positive contribution to air quality of increased bicycling and walking and decreased automobile use.

Program 20: The “Energy” section of the next General Plan should include the contribution of bicycling and walking to energy savings for the community as a whole, which in turn justifies expenditure for more bicycling/pedestrian modalities.

Updating Bicycle Planning

Objective G: Ensure that the Petaluma Bicycle Plan, Map and Matrix are regularly

updated and that all City Codes, Ordinances, and Standards & Specifications continue to reflect the Goals, Objectives, Policies, Programs and ideals of the Bicycle Plan.

Policy 15: The Petaluma Bicycle Plan shall be updated every five years. The Map, Matrix and Priorities shall be updated annually.

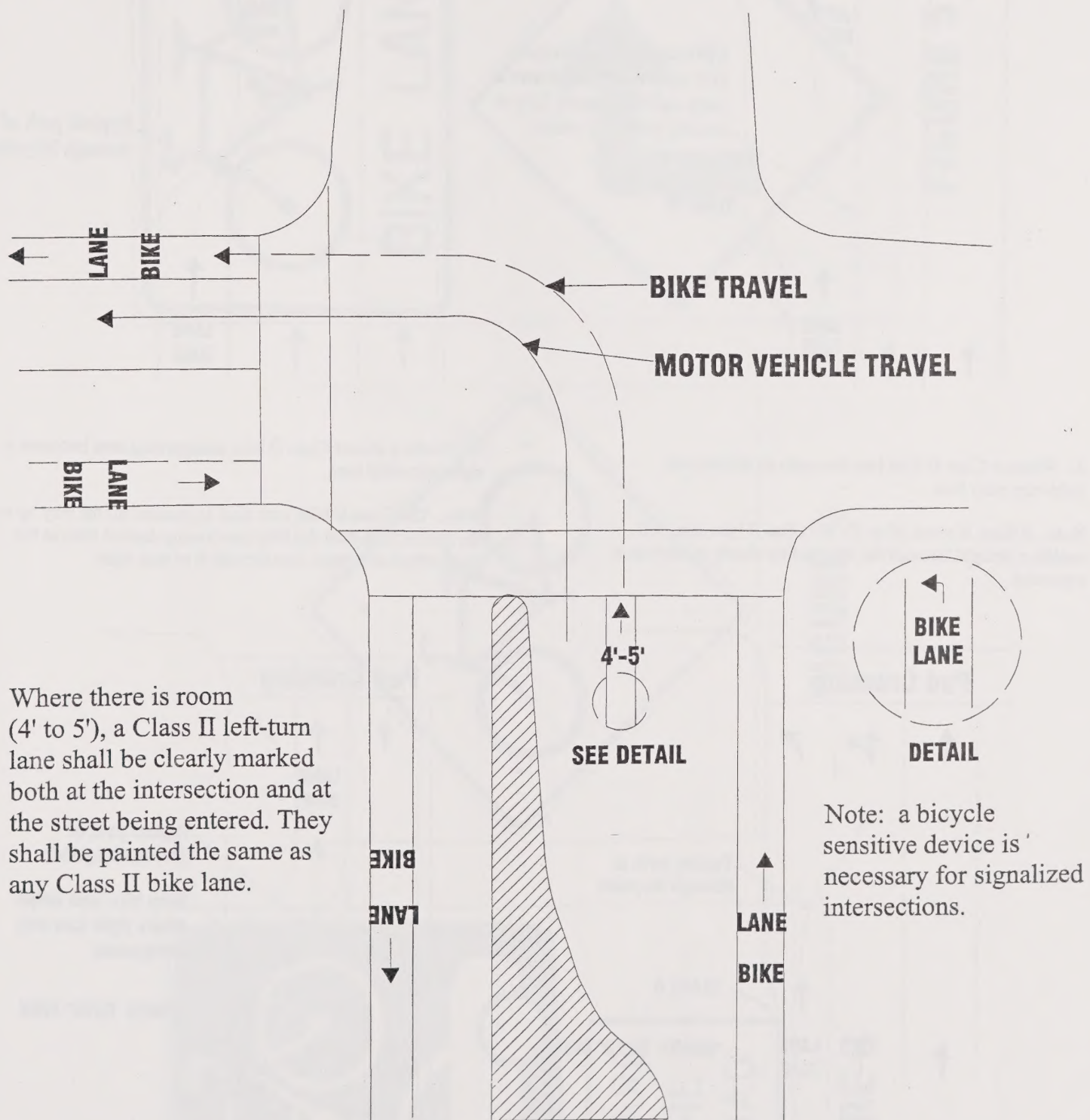
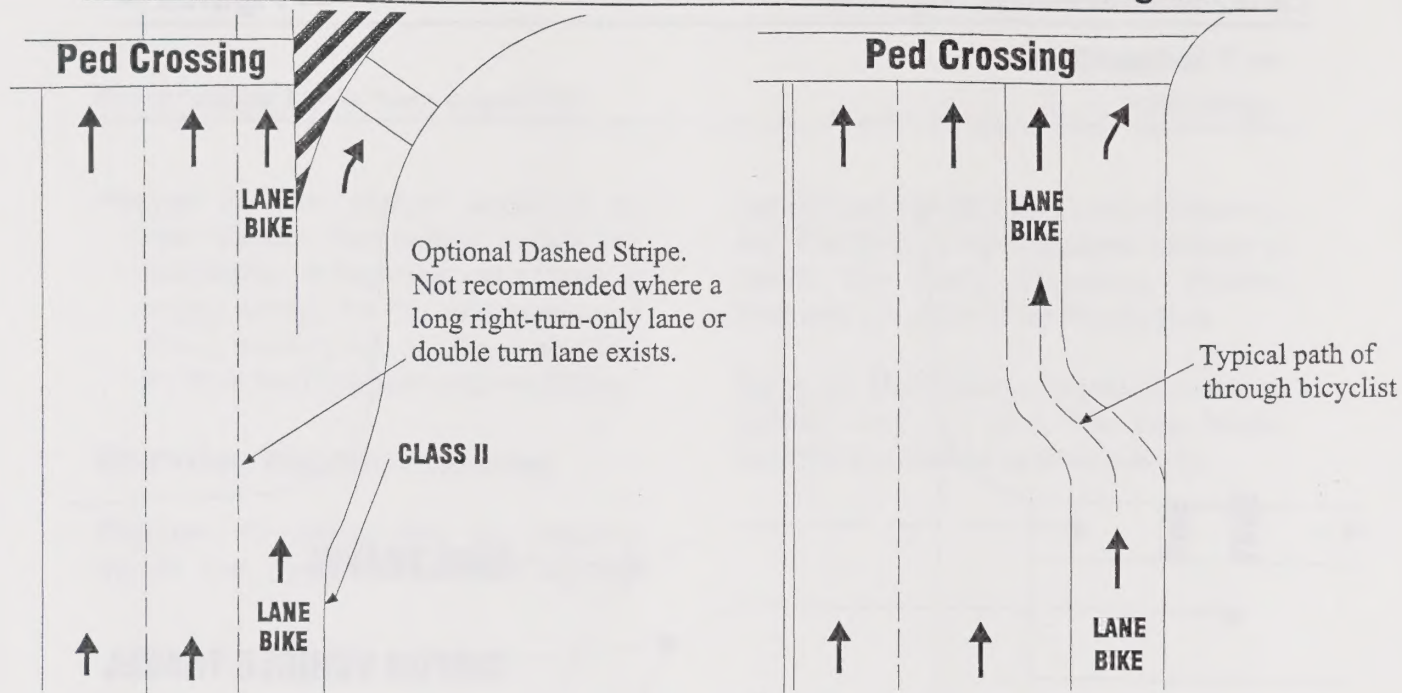


FIGURE 1
BIKE LEFT-TURN LANE

SCALE: 1" = 20'

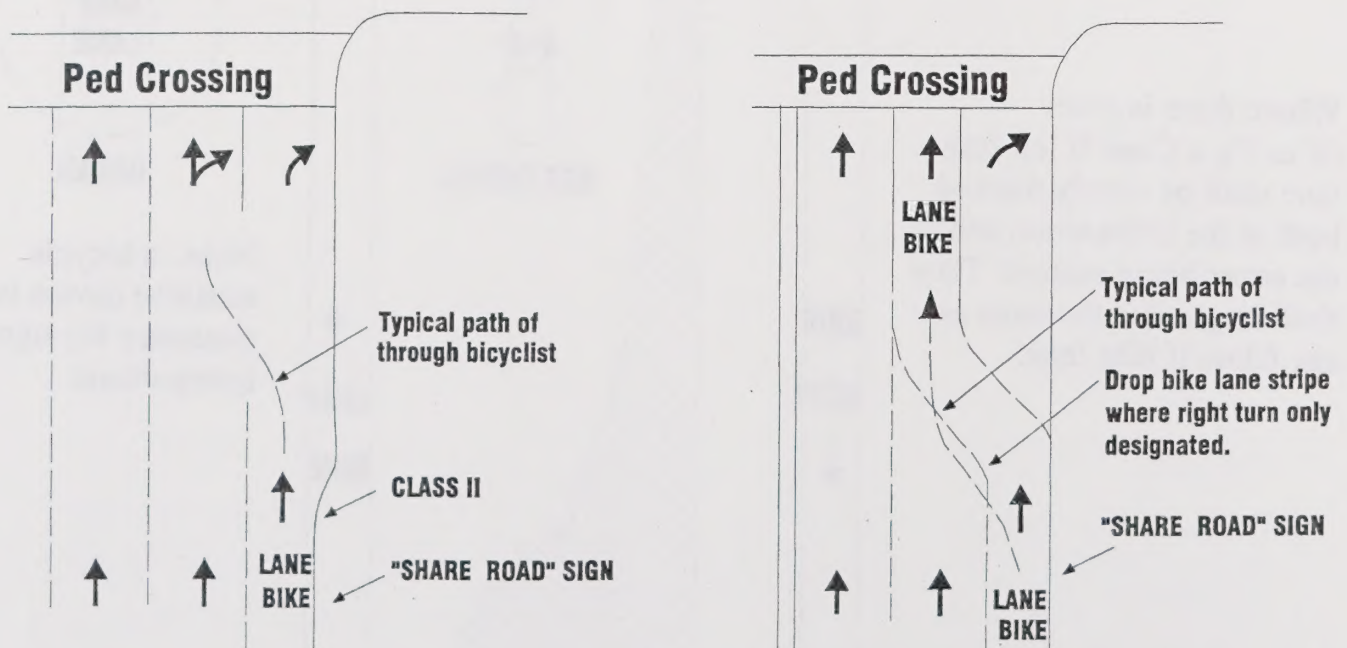


A: Where a Class II bike lane becomes an automobile right-turn-only lane.

Note: if there is room (4' to 5'), the Class II bike lane will continue straight through the intersection clearly marked and separated.

C: Where a shared Class II bike lane/parking area becomes a right-turn-only lane.

Note: The Class II bike lane shall be marked all the way up to the intersection with the bike lane having dashed lines at the point where cars must turn through it to turn right.



B: Where a Class II bike lane joins an optional double right-turn-only lane.

Note: if there is not room (not 4' to 5') for the Class II bike lane to continue through the intersection, the furthest-right car lane moving straight through the intersection shall be used.

D: Where a Class II bike lane becomes a right-turn-only lane.

Note: if room permits (4' to 5'), the Class II bike lane shall continue through the intersection for bikes going straight.

FIGURE 2

SCALE: 1" = 20"



FIGURE 3

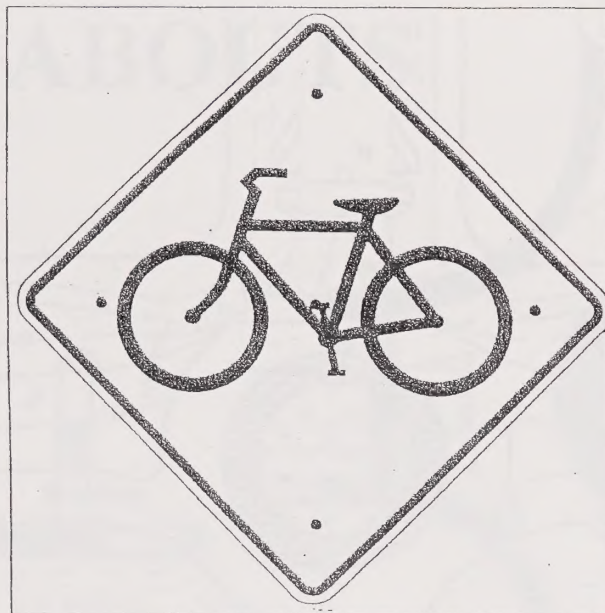


FIGURE 4

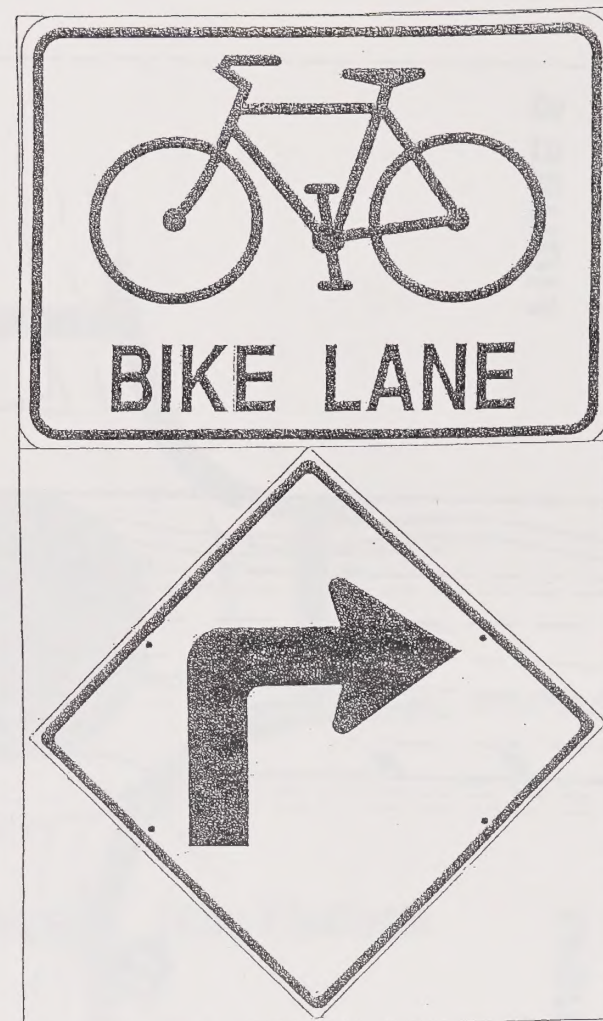
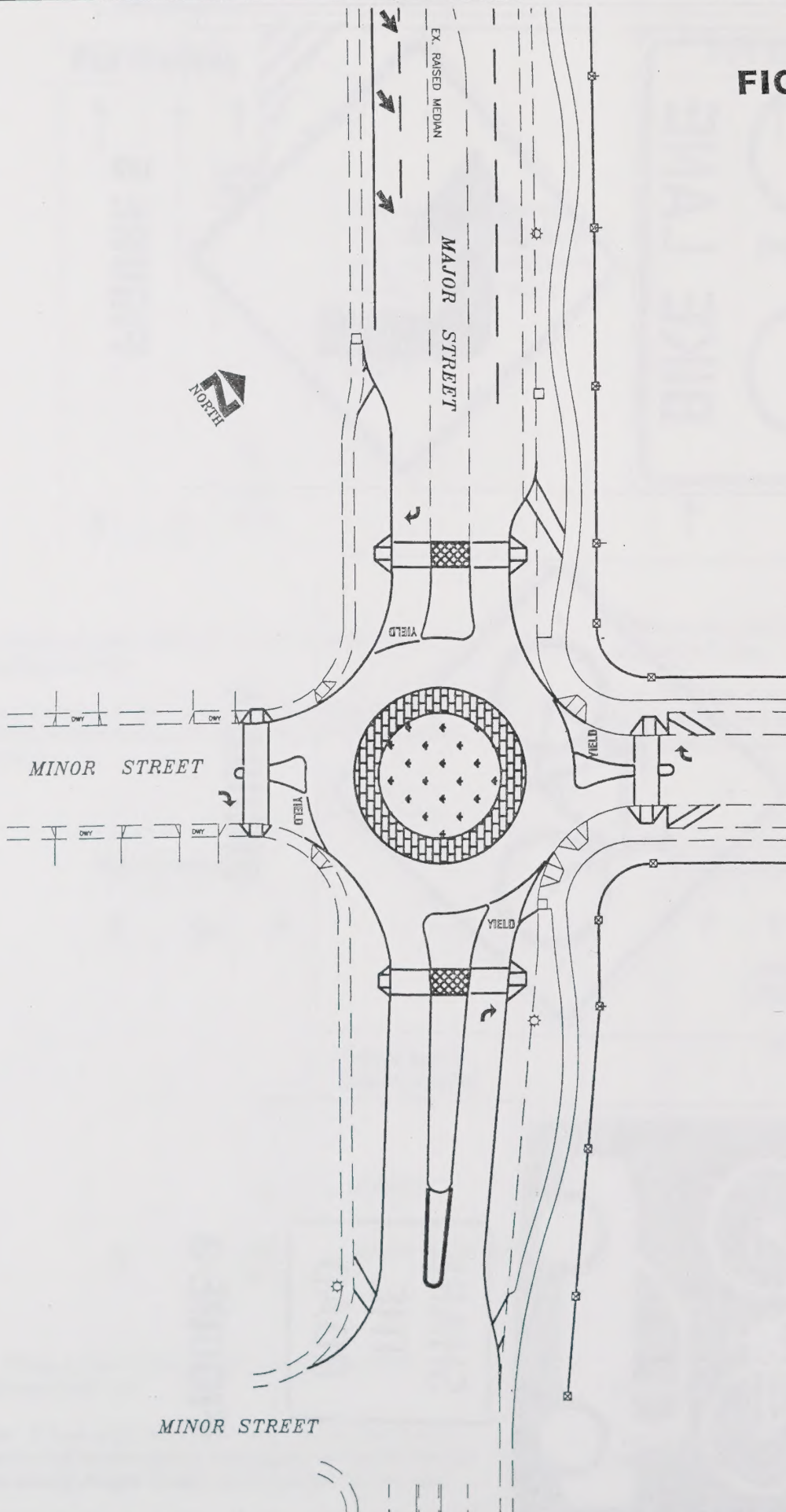


FIGURE 5

FIGURE 6



MINOR STREET

ROUNDAABOUT

CITY OF PETALUMA
DEPARTMENT OF ENGINEERING
100 MARKET STREET, PETALUMA, CALIFORNIA, 94954 / 706-770-1204

DESIGNED BY	A.G.T. & B.A.	DATE	SEPTEMBER 1999
CHECKED BY	A.G.T.	SCALE	As Shown
DRAWN BY	B.A.	ACW FILE	SMP48



BIKE PLATFORM - MULTI-LANE ROUNDBABOUTS



Dike path placed at rear of curb. For existing roundabouts, modifications to existing sidewalks and crossings may be needed. The bike platform is raised six inches and separated from vehicles with curb and gutter.

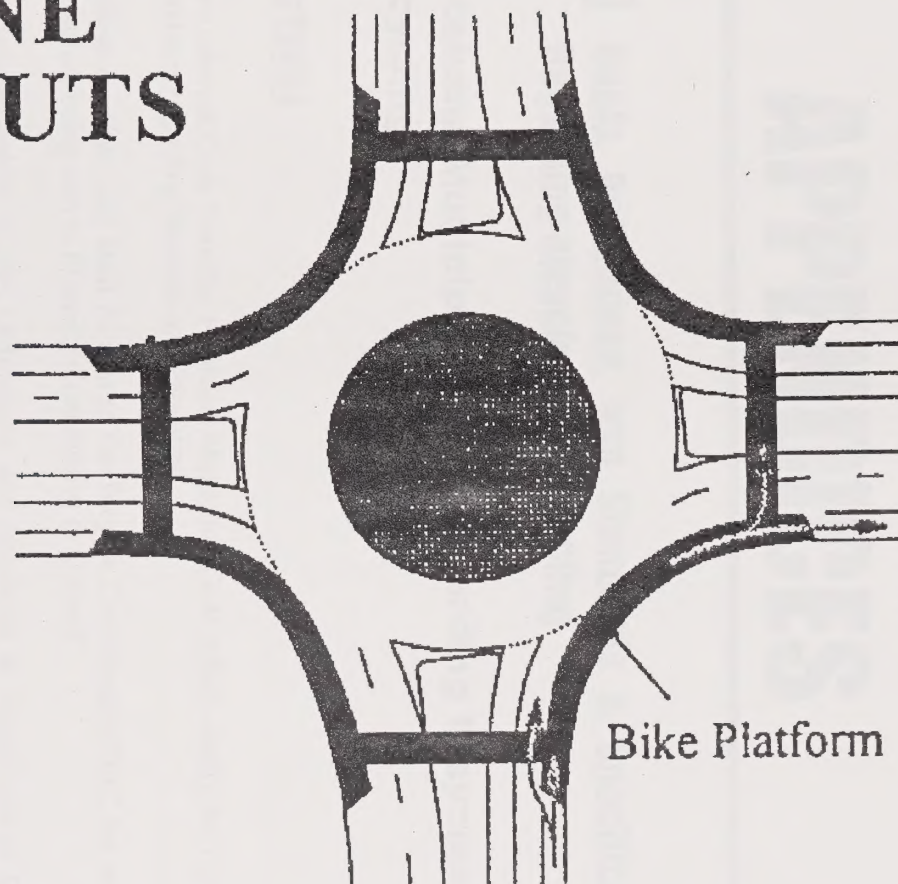


FIGURE 7

APPENDICES

Appendix A **Goals, Ordinances, and Standards & Specifications Regarding Bicycles and Bicycling**

A. 1. Petaluma Municipal Code, Regarding Bicycles and Bicycling

INTRODUCTION

The following are relevant Code from the Petaluma Municipal Code which clarify the expectations of the City of Petaluma regarding Bicycles and Bicycling.

Any change of these or other code shall be sent to the Bicycle Coordinator/PBAC for review and recommendation before being sent to Planning Commission or Council.

A subsequent section regarding “Code, Ordinances, and Standards & Specifications Regarding Pedestrians” will be added to this document. For a complete listing of all City of Petaluma Code, Ordinances, and Standards & Specifications, contact the Petaluma Planning Division.

TITLE 2 ADMINISTRATION

Chapter 2.08	Planning Commission
Chapter 2.12	Recreation, Music and Parks Commission
Chapter 2.20	Water Department
Chapter 2.24	Board of Building Review
Chapter 2.28	Personnel Board
Chapter 2.30	Historical and Cultural Preservation Committee
Chapter 2.32	Civil Defense and Disaster
Chapter 2.40	Community Development Commission
Chapter 2.50	Site Plan and Architectural Review Committee
Chapter 2.60	Airport Commission
Chapter 2.70	Senior Citizen Center Committee
Chapter 2.80	Tree Advisory Committee
Chapter 2.90	Petaluma Bicycle Advisory Committee (PBAC)

Chapter 2.90 Petaluma Bicycle Advisory Committee (PBAC)

2.90 Petaluma Bicycle Advisory Committee.

Establishment: A Petaluma Bicycle Advisory Committee is established by the City.

Appointment and Terms: There will be seven bicyclists, plus one liaison from the Planning Commission, one liaison from the Recreation, Music and Parks Commission and one liaison (optional) from the City Council. If the City Council desires, up to two additional members serving as “citizen pedestrians” may be added to the PBAC. Terms are two years, with approximately half of the terms to come up for reappointment each year.

Duties: To monitor and pursue improvements to the bicycle and pedestrian transportation network within the City of Petaluma.

Staffing: There shall be a Bicycle Coordinator from the Planning Division.

Bicycle Coordinator/PBAC: This term shall be interpreted to mean both the Bicycle Coordinator and one or more members of the PBAC. Any bicycle- and pedestrian-related documentation or communication will be provided to the PBAC.

TITLE 11 VEHICLES AND TRAFFIC

Chapter 11.08 Traffic Administration

11.08.050 Traffic Committee Established—Composition—Compensation.

There is established an advisory traffic committee to serve without additional compensation, consisting of the traffic engineer or a senior representative, a representative of the Planning Division, a representative of the police department, a representative of the public works department, a member of the City Council and a bicyclist member of the Petaluma Bicycle Advisory Committee.

Chapter 11.12 Enforcement – Obedience to Regulations

11.12.040 Persons on bicycle or riding or driving animals.

Every person riding a bicycle or riding or driving an animal upon a street or highway has all of the rights and shall be subject to all of the duties applicable to the driver of a vehicle by this chapter, except those provisions which by their very nature have no application.

Chapter 11.32 Miscellaneous Driving Rules

11.32.100 Vehicles crossing bicycle paths or lanes.

No person shall drive a vehicle upon or across a bicycle path or lane except to enter a driveway and except to park such vehicle or leave a parking space. No persons shall drive upon or across a bicycle lane or bicycle path as permitted by this section except after giving the right-of-way to all bicycles within the lane or path.

Chapter 11.36 Pedestrians

11.36.50 Use of drainage facilities, public rights-of-way and maintenance roads.

No person shall walk in, ride in, or enter into, either on foot or by means of any vehicle, any drainage channel, ditch, culvert, undercrossing or other drainage or sewer facility, or the right -of-way therefor, if the areas is posted “Keep Out.” Nothing in this section shall prohibit entry of such facilities by the owner therefor any person designated by the owner or a person responsible for maintenance and operation thereof, for purposes of maintenance, repair or other necessary operations of said facility. The City of Petaluma shall strive to open all drainage facilities, rights-of-way, including PG&E, SCWA and Fish and Game, as well as maintenance roads, for public bicycle/pedestrian access, where appropriate.

Chapter 11.56 Parking Meters

11.56.130 Attaching or leaning bicycle, newsrack or other article against meter.

No person shall attach anything to or allow a bicycle, newsrack or any other article or thing to lean against a parking meter or a parking meter standard.

Chapter 11.72 Bicycles

11.72.010 Bicycle defined.

For the purposes of this chapter, the word “bicycle” shall be defined as a device upon which any person may ride, propelled by human power through a belt, chain or gears, and having either two or three wheels in tandem or tricycle arrangement. It is acceptable for a small electric motor to supplement the human-power on the bicycle, as defined by Ordinance 2080, January 1999.

11.72.020 Violation of chapter by juveniles.

Where this chapter has been violated by juveniles under the age of eighteen years, in lieu of the fine and imprisonment as provided in general penalty for this code, and in lieu of filing charges in the juvenile court, the chief of police may prohibit the operation upon the streets, alleys and public places in the City for a period not to exceed thirty days, of a bicycle so used in such violation, in which event the bicycle so used in such violation shall be impounded by the chief of police and retained by him during the period of the operation which is prohibited. The juvenile may be required to take an exam on bicycle use to regain his or her bicycle.

11.72.060 Auction of unidentified bicycles.

All abandoned bicycle and unidentified bicycles remaining in the hands of the chief of police shall, at the end of three months, be sold at auction.

11.72.150 Bicycle report—generally.

All persons required by this chapter to make reports to the chief of police shall make the same in duplicate...The duplicate shall remain with the dealer...This report shall be known as ‘the bicycle report.’

11.72.160 Dealers.

All persons engaged in the business of buying secondhand bicycles are hereby required to make a monthly report to the chief of police, giving the name and address of the person from whom each bicycle is purchased, the description of each bicycle purchased, the frame number thereof, and the number of the license plate found thereon if any.

All persons engaged in the business of selling new and secondhand bicycles are hereby required to make a monthly report to the chief of police, giving a list of all sales made by such dealers, the kind of bicycle sold, together with a description and frame number thereof.

11.72.190 Operational rules—Violation unlawful.

It is unlawful for any person to ride or operate a bicycle in the City in violation of any of the rules of the road as set forth in this chapter.

11.72.200 Certain bicycles prohibited.

It is unlawful for any person to ride or operate a bicycle in the City unless the bicycle is equipped as provided in this chapter and unless the bicycle is in a safe mechanical condition.

11.72.210 Riding where children playing.

No person shall ride or operate a bicycle upon any playground, park or schoolground, where children are playing, without permission of the person having supervision thereof. This provision does not exclude the use of designated bikeways/pathways. Bikeways defined in Section 11.72.450 of this code.

11.72.220 Riding on sidewalks.

- A. No person shall ride a bicycle upon any sidewalk in the central business district of the City unless traffic signs are posted informing bicyclists and pedestrians that the sidewalk has dual usage. For purposes of this section, the term “central business district” shall be defined as the area described in Section 11.56.010 of this code.
- B. Every person who shall ride a bicycle upon a sidewalk in the City shall yield the right-of-way to any pedestrian and shall give audible signal before overtaking and passing any pedestrian.
- C. Riding on sidewalks shall be permitted (per California Vehicle Code 21206) on all sidewalks except where the City of Petaluma regulates such riding.

11.72.240 Carrying passengers.

No person riding or operating a bicycle in the City shall carry another person on the bicycle, unless the person or passenger is seated upon an individual seat or carrier separate from that intended to be used by the operator, nor shall any person ride upon a bicycle as a passenger, unless he is seated upon an individual seat or carrier separate from that intended to be used by the operator.

11.72.250 Carrying articles.

No person riding or operating a bicycle in the City shall carry any package, bundles or article which prohibits the rider from having full control of the bicycle at all times.

11.72.260 Towing.

Towing restricted to trailers and devices specifically designed to be towed safely by bicycles.

11.72.270 Speed generally.

No person shall ride or operate a bicycle faster than is reasonable and proper, and every bicycle shall be operated with reasonable regard to the safety of the operator and other persons upon the streets, sidewalks, and public highways of the City.

11.72.280 Racing.

No person riding or operating a bicycle upon a public highway or street shall participate in any race, speed or endurance contest, unless...written permission of the City manger, and ...under the supervision of the chief of police.

11.72.290 Obedience to traffic signals.

Every person operating a bicycle in the City shall obey all traffic control measures such as signs, signals, striping, etc.

11.72.300 Keeping to right.

Persons riding or operating bicycles on a highway or street shall keep the bicycles as close to the right hand curb as possible, except when preparing to make a left-hand turn. or except when proceeding straight at an intersection where the right lane becomes a right turn lane.

11.72.310 Parking.

A. No person shall park any bicycle against windows or bicycle lockers or on the main traveled portion of a sidewalk, nor in such manner as to constitute a hazard to pedestrians, traffic or property; however, if there are no bicycle racks or other facilities intended to be used for parking of bicycle in the vicinity, bicycle may be parked on the sidewalk in an upright position parallel to and within twenty-four inches of the curb or safely next to a building as long as ADA access is not blocked.

11.72.320 Entering traffic from alleys, driveways, bikeways.

The operator of a bicycle emerging from an alley, driveway, bikeway or otherwise approaching upon a sidewalk or a sidewalk area extending along such alley, driveway, or bikeway path shall yield the right-of-way to all pedestrians approaching on said sidewalk or sidewalk area, and upon entering a bikeway shall yield the right-of-way to all bicycles approaching on said bikeway, and upon entering a roadway shall yield the right-of-way to all vehicles or bicycles approaching on said roadway.

11.72.330 Passing vehicles.

Every person operating a bicycle shall pass to the left when passing vehicles going in the same direction, and shall pass to the right when meeting vehicles going in the opposite direction.

11.72.340 Hand signals.

No person shall turn a bicycle or stop a bicycle ...unless such movement can be made with safety and then only after giving the following appropriate signal during the last fifty feet traveled by the bicycle before turning or stopping:

Left Turn. ..extending his left hand and arm horizontally behind the side of the bicycle.

Right Turn. extending his left hand and arm upward beyond the side of the bicycle.

11.72.350 Intoxication.

It is unlawful for any person to operate a bicycle upon any street or highway of the City while under the influence of intoxicating liquor or drugs.

11.72.360 Clinging to moving vehicles.

No person riding or operating a bicycle in the City shall cling or attach himself or his bicycle to any other moving vehicle or streetcar, or person in any other vehicle.

11.72.370 Trick riding.

No person riding or operating a bicycle shall perform or attempt to perform any acrobatics, fancy or stunt riding upon any public highway or street in the City.

11.72.380 Accident report — Procedure.

The operator of any bicycle involved in an accident shall take reasonable steps to ascertain whether or not anyone was injured, and he shall give his name, address and the license number of his bicycle to the person with whom he was in collision; and he shall obtain the same information from the other person.

It shall be the duty of the bicycle operator to make a written report of any accident result in death or injury to the police department with twenty-four hours of such accident.

11.72.390 Turning at intersections.

Every person riding or operating a bicycle upon the streets and highways of the City shall turn only at intersections except as otherwise provided in this division. Exceptions: areas where a bicycle lane ends or dangerous conditions cause a need to go onto a sidewalk and the sidewalk does not exclude bicycles. In all such situation, pedestrians have right-of-way.

11.72.400 Right turn generally.

Every person riding or operating a bicycle intending to turn to the right at an intersection or into an alley or driveway shall approach the turning point in the line of traffic nearest the right-hand curb of the street. unless the bicycle is riding legally on the sidewalk, in which case the turn shall be made from there. Such bicyclists shall only enter the street when it is safe to do so.

11.72.410 Right turn at red light.

The operator of a bicycle which is stopped as close as practicable to the entrance of an intersection in obedience to a red light or “stop” signal may make a right turn, unless a sign has been posted at the intersection prohibiting such turn, but shall yield the right of way to pedestrians and other traffic proceeding as directed by the signal at the intersection.

11.72.420 Left turn.

Every person riding or operating a bicycle intending to turn left at an intersection or to enter an alley or driveway shall approach the point of turning in the line of traffic nearest to the center of the roadway unless another lane is marked for bicycles. If no lane is marked for bicycles, bicycles shall use the left turn lane furthest to the right. The operator of a bicycle in turning left at an intersection shall pass to the right of the center of the intersection before turning, unless otherwise directed by markers, buttons or signs.

11.72.430 U-turns.

No bicycle shall be turned in any business district so as to proceed in the opposite direction, except at intersections; nor shall any bicycle operate in a residence district be turned so as to proceed in the opposite direction when any other vehicle is approaching from either direction within two hundred feet, except at an intersection.

11.72.450 Bikeways: Bicycle Paths, Bicycle Lanes, Bicycle Routes and Bicycle Boulevards.

Class I Bikeway (Bicycle/Pedestrian Path) - A bicycle/pedestrian path is physically separated from motorized vehicular traffic by an open space or barrier and is reserved for bicyclists and pedestrians. On occasion, bicycle/pedestrian paths may provide access only for pedestrians or bicyclists who walk their bicycles where safety issues dictate.

Class II Bikeway (Bicycle Lane) - Bicycle lanes are designated on roadway shoulders by striping, signs, and/or pavement markings for preferential use by bicyclists. They are separated from motorized vehicle travel lanes by a solid white and are located outside the travel lanes. Motor vehicles and pedestrians are prohibited from using bicycle lanes.

Class III (Bicycle Route) - On Class III bicycle routes, bicyclists share the outside traffic lane with motorized vehicles. These routes are designated with a “Bicycle Route” sign.

Bicycle Boulevard - A City street, usually determined to be key to bicycle through-traffic, in which bicycles have been given precedence over cars by means of barriers, traffic calming, stop signs aimed at car travel, etc.

Persons riding bicycles upon bikeways shall be subject to the provisions of this code. Bikeways shall be built according to the Goals, Objectives, Policies, Program and Priorities of the Petaluma Bicycle Plan 2000.

11.72.470 Direction along Bikeways.

No person shall ride or operate a bicycle within a bicycle lane in any direction except that permitted for vehicular traffic traveling on the same side of the roadway; provided that bicycles may proceed in either direction along a lane where arrows appear on the surface of the lane.

No person shall ride or operate a bicycle within a bicycle lane or bicycle route in any direction except that permitted for vehicular traffic traveling on the same side of the roadway; except where arrows appear on the surface of lane designating two-way traffic. Bicycles may proceed in either direction along a bicycle path unless otherwise designated.

11.72.480 Establishment of Bikeways signs.

The traffic engineer as subject to the review of the PBAC, is authorized to erect or place signs upon any street in the City that is designated as a bikeway.

11.72.500 Bicycle access.

- A. Full bicycle access shall be permitted wherever cars are allowed in all residential, commercial, retail and office centers/complexes.
- B. "Drive-in-service," means sales of products or provision of services to occupants in vehicles including drive-in or drive-up windows. Excluding drive-in mechanical automobile washing, all drive-in services must provide full access to pedestrians and bicyclists.

11.72.510 General safety.

- A. All potential on-street impediments to bicycles such as uneven speed bumps, unsafe drainage ditches, raised manhole covers, dangerous sewer and drainage grates and asphalt/concrete interfaces shall be built and maintained properly for bicycle safety. Curb cuts shall have zero up lips.
- B. To reduce bicyclist discomfort, speed humps should have a minimum degree of slope necessary to compel auto speeds to the desired MPH.
- C. All intersections shall have curb cuts usable for both wheelchair and bicycle. They shall be placed in line with crosswalks rather than at the point of the corner, for reasons of safety. All poles and other impediments to entering shall be moved or clearly marked.

11.72.540 Provisions of California Vehicle Code.

The provisions of Article 4 of Chapter 1 of Division 11 of the California Vehicle Code, as the same may be amended from time to time, are made applicable to all bicycle and all persons riding bicycles in the City.

Chapter 11.80 Traffic Impact Fee On Development

11.80.020 Additional findings.

...the transportation improvements will be constructed or implemented with funds generated by this chapter and will significantly benefit the contributor in that the adverse impacts, such as noise, air pollution, delay, accidents, increased fuel consumption, harm to the local economy, and inconveniences caused by traffic congestion will be substantially mitigated.

11.80.030 Terms and definitions.

B. Transportation improvements mean those improvements necessary to complete the major street and interchange improvements necessary to meet the goals of the general plan, including paving, curb and gutter, sidewalks, medians, landscaping, drainage facilities, traffic signals, street lighting, noise walls, right-of-way acquisition, public park and ride facilities, bikeways and other bicycle/pedestrian facilities, public transit, bridges, grade separations, downtown parking facilities, and other improvement...Transportation improvements also shall include the architectural, administrative, engineering, legal, planning, environmental and other services required in connection with the implementation of this ordinance.

11.80.050 Rate of fee.

B. The City Council shall determine by resolution the net transportation improvement costs ...and make a reasonable estimate of the total costs necessary to construct or provide the transportation improvements.

Chapter 11.90 Trip Reduction Ordinance Program

11.90.010 Purpose.

The purpose of this chapter is to promote the development of trip reduction ordinance programs at employer work sites with one hundred or more employees during the afternoon peak traffic period, four p.m. to six p.m., in order to reduce traffic impacts within the City.

H. 'Vehicle trip' means a trip based on the means of transportation used for the greatest distance of an employee's home-to-work commute trip for employees who start work during the peak period. Each vehicle trip to the work site shall be calculated as follows:

Single-occupant vehicle=1...

Motorcycle, moped, motorized scooter, or motor bicycle =1...

Bicycle including those with small electric motor = 0

Walking and other non-motorized transportation modes = 0

11.90.050 Employer actions.

A. Employers with One Hundred or More Employees...shall do the following:

1. Information program...
2. Transportation coordinator...
3. Annual employee survey. Each year during October conduct an employee transportation survey at the work-site. The survey form shall be provided by the City. The survey will be conducted during a period set by the City. The first survey

will be conducted in 2000. A ninety percent return on employee surveys from each business is desired.

- B. Showers And Clothes Lockers. All new office construction and renovations and shopping centers may be required to provide showers and clothes lockers for employee use. The purpose is so that bicyclists can change into work clothes at their destinations. Requirements are listed in the City of Petaluma Zoning Ordinance.

11.90.060 City responsibilities.

- B. Technical Guidance and Support.

2. The City shall provide employers an employee commute survey form.
3. The City shall distribute survey results to all employers.

- C. City Evaluation.

1. Report to City Council. The City transportation coordinator in conjunction with the Bicycle Coordinator/PBAC will submit an annual report to the City council describing the results of the surveys and the achievement of the goals of this chapter.

- D. City Support of Non-Motorized Commuting

1. The City shall reimburse City employees for non-motorized transportation commuting at a rate commensurate with automobile commuting, in accordance with formalized City procedures and policies.

TITLE 13

STREETS AND OTHER PUBLIC PLACES

Chapter 13.20 Future Rights-Of-Way

13.20.010 Short title.

This chapter shall be known and may be designated as the “Future Rights-of-Way Ordinance of the City”.

13.20.020 Purpose.

- D. To reserve areas for future widening, extension or creation of streets, bikeways or space for future utilities, pedestrian ways, vision clearance, fire and police emergency access, access to property and for other essential public services....

13.20.070 Planning Commission and department of public works report and recommendation—Hearings.

Before any action is taken by the City council concerning proposed precise plan lines for future rights-of-way, the matter shall be refereed to the planning commission, department of public works and the Bicycle Coordinator/PBAC for a report and recommendations...

Chapter 13.24 Waterways

13.24.080 Skateboard and bicycle restrictions.

Skateboards or bicycles are not permitted on any ramp, gangway or float of the turning basin and/or marina. Exemptions: where signage permits.

Chapter 13.23 Use of Public Parks [Missing In Document 13.23.010 TO .040]

13.23.180 Unlawful acts in park.

No person, other than authorized City personnel, shall do any of the following unless written permission has been obtained from the director:...

- J. Ride or drive...any motorized vehicle, bicycle or scooter elsewhere than on the roads or drives provided for such a purpose, or drive a motor vehicle in an erratic or hazardous manner on any park roads, paths or parking areas. Exemptions: bicycles with small electric motors shall be considered "bicycles" and not "motorized vehicles as defined by Ordinance 2080, January 1999.

A. 2. City of Petaluma Zoning Ordinances, Regarding Bicycles and Bicycling

**ARTICLE 1
PURPOSE AND INTENT**

- 1-201 The ordinance is adopted to protect and promote the public health, safety, morals, peace, comfort, convenience, prosperity and general welfare; and further, the purpose of this ordinance is to prescribe land use regulations and a zoning plan for the City of Petaluma deemed necessary to encourage the most appropriate use of land, both urban and agricultural; to enhance and stabilize the value of property; to provide open space for light and air and to prevent and fight fires; to prevent undue dispersion or concentration of population; to promote orderly community development; to lessen automobile congestion of streets both by enhancing streets and by promoting non-motorized forms of transportation; to facilitate adequate provisions for community utilities such as transportation, schools, parks, and other public requirements.

- 1-203 **Definitions.** For the purpose of this ordinance, certain words and terms used herein are defined as follows:

Automobile. The term used in the City to mean any motor vehicle, including car, van, bus, sport utility vehicle, truck, motorcycle, etc.

Bicycle Parking. Includes either bicycle lockers, another form of enclosed bicycle parking, or guarded parking as well as covered or uncovered bicycle racks.

Parking Area, Common. A public or private automobile parking area jointly used by two (2) or more uses.

ARTICLE 2
ESTABLISHMENT AND DESIGNATION OF DISTRICTS

SECTION 2-200, ANNEXATION OF TERRITORY. All territory hereafter annexed to the City of Petaluma shall be prezoned as a part of that zoning district of the City of Petaluma recommended by the Planning Commission and specified by the City Council at the time of annexation.

SECTION 2-300, GENERAL PROVISIONS. Except as hereinafter otherwise provided:

2-313 Dedication required...

2. Upon one or more streets or roads which are not improved with existing curbs, gutters, sidewalks, bikeways and other contiguous street improvements across the frontage or frontages of the property upon which said development project is located, or
3. Upon a parcel of real property which has frontage on a dedicated street right-of-way where no such improvements have been constructed contiguous to the parcel upon which the development project is located, the developer shall dedicate any necessary right-of-way to the City...and shall construct public improvements (including, but not limited to curbs, gutters, sidewalk, bikeways, half street, water mains, storm drains and sanitary sewers) across such frontage to current City standards

ARTICLE 7
R-C COMPACT SINGLE-FAMILY RESIDENCE DISTRICT

SECTION 7-100, PURPOSE...

...The district is further intended to achieve efficiencies in the provision of streets, bicycle/pedestrian linkages, utilities and to encourage the provision of usable open space.

SECTION 7-600, AREA, LOT WIDTH, AND YARD REQUIREMENTS

7-604.1 Safe and adequate interior vehicular circulation and conveniently located off-street parking for each unit.

ARTICLE 8.1
M-H MOBILE HOME PARK DISTRICT

SECTION 8.1-500, DEVELOPMENT PLAN REQUIRED. GENERAL PROVISIONS FOR MOBILE HOME PARKS

8.1-502.2 Parking requirements: At least one (1) parking space (10' x 20') on each mobile home space shall be provided with the overall parking requirements to provide that there shall be a total of not less than two (2) 10'x 20' spaces per mobile home space.

Additional guest and service parking may be required as a condition of site design review and shall be dispersed adequately within the development.

8.1-502.3 Interior access drives: Access drives shall be paved to a width of not less than twenty-five (25) feet from shoulder to shoulder. Access drives shall be thirty-three (33) feet in width if car parking is permitted on one (1) side and forty-one (41) feet in width if car parking is permitted on both sides.

8.1-502.7 Bicycle and pedestrian pathway: Interior bicycle and pedestrian pathways shall be required for interior bicycle and pedestrian movement and shall be separate from and over and above any requirements for vehicular traffic. These shall be designed at the inception of the project, rather than after automobile circulation is complete.

ARTICLE 11 C-N NEIGHBORHOOD COMMERCIAL

SECTION 11-200, PERMITTED PRINCIPAL USES

11-203 Commercial parking lots for passenger vehicles and bicycles, in accordance with the provisions of Article 20.

ARTICLE 13 C-H HIGHWAY COMMERCIAL DISTRICT

13-209 Commercial parking lots for passenger vehicles and bicycles in accordance with the provisions of Article 20.

ARTICLE 17 PRESERVATION OF THE CULTURAL AND HISTORIC ENVIRONMENT

SECTION 17-100, PURPOSE. It is hereby found that structures, sites and areas of special character or special historic, architectural or aesthetic interest or value have been and continue to be unnecessarily destroyed or impaired, despite the feasibility of preserving them. It is further found that the public health, safety, and welfare require prevention of needless destruction and impairment, and promotion of the economic utilization and discouragement of the decay and desuetude of such structures, site, and areas.

17-101 The protection, enhancement, perpetuation, and use of structures, sites, and areas that are reminders of past eras, events, and persons important to local, state, or national history, or which provide significant examples of architectural styles of the past or area landmarks in the history of architecture, or which are unique and irreplaceable assets to the City and its neighborhoods, or which provide for this and future generations examples of the physical surroundings in which past generations lived.

ARTICLE 19
P-C, PLANNED COMMUNITY DISTRICT

SECTION 19-100, PURPOSE. The Planned Community District provisions are intended to establish a needed level of preplanning for development of large tracts of land and to encourage innovative design solutions while retaining good land use relationships and compatibility of uses.

- 19-204 The P-C District Plan shall contain sufficient information and detail as to the types and arrangement of land uses; the height, bulk and siting, and the use or reuse of structures; the alignment and dimensions of bicycle and pedestrian paths streets and rights-of-way; the size, location, and use of open spaces; the provision of public facilities and services, and any other relevant information; to enable the Planning Commission and City Council to make the findings set forth in Section 19-500 herein.
- 19-302 The application shall be accompanied by a Planned Community Program which shall comprise the following elements:
- A. ...the approximate location of major and secondary bicycle, pedestrian and automobile trafficways; any public uses proposed, such as schools, parks, playgrounds, trails, or other recreational facilities and how they are linked for pedestrian and bicycle travel, and, for residential uses, the approximate location of different types or densities of dwelling units.

SECTION 19-400, ADDITIONAL MATERIAL. Additional material and information shall be provided for specific types of uses as follows:

- 19-402.3 The general standards of height, open space, buffering, landscaping, pedestrian, bicycle and vehicular circulation, off-street parking and loading, signs, and nuisance controls intended for development.
- 19-403.5 The approximate standards of height, open space, buffering, landscaping, pedestrian, bicycle and vehicular circulation, off-street parking and loading, signs, and nuisance controls intended for the development.
- 19-404.3 The approximate standards of height, open space, buffering, landscaping, pedestrian, bicycle and vehicular circulation, off-street parking and loading, and signs intended for the development.

SECTION 19-500, FINDINGS REQUIRED. Before recommending approval or modified approval of an application for a proposed P-C District, the Planning Commission shall find:

- 19-502 That the streets, bicycle/pedestrian paths and thoroughfares proposed are suitable and adequate to serve the proposed uses and the anticipated traffic which will be generated thereby and that measures by which non-motorized travel are encouraged are also included.

**ARTICLE 19A
P.U.D. - PLANNED UNIT DISTRICT**

- 19A-202 5. An off-street automobile and bicycle parking and loading plan showing the ratio between off-street parking and loading spaces and building floor areas and/or the ratio of automobile and bicycle parking spaces to anticipated residents and employees, or other criterion required by the Commission. Such plan shall be supported by data demonstrating the adequacy of the parking for the demand generated by the use to which it pertains and the measures by which non-motorized travel are encouraged. This includes bicycle and automobile parking demand.
6. A circulation diagram indicating the proposed movement of vehicles, goods, bicycles and pedestrians within the P.U.D. District, and to and from any adjacent public thoroughfares. Any special engineering features and traffic regulating devices needed to facilitate or insure the safety and efficiency of the circulation pattern shall be shown.
- 19A-204 Interior streets of a project shall be improved in accordance with City subdivision street standards. The applicant may request some interior streets to be private; however, any modifications of City street standards for interior private streets must be noted on the plan and be acceptable to the Planning Commission and all cul-de-sacs will be required to have pedestrian/bicycle outlets wherever feasible. All improvements of public and private streets shall be certified as meeting standards as noted on the plan as prepared by a registered civil engineer prior to final inspection and occupancy.

SECTION 19A-300, FINDINGS.

1. That any P.U.D. District is proposed on property which has a suitable relationship to one (1) or more thoroughfares and adjacent bikeways, and that said thoroughfares and adjacent bikeways are adequate to carry any additional traffic generated by the development or are adequate to encourage non-motorized travel.

**ARTICLE 19.1
H-R-D HILLSIDE RESIDENTIAL DEVELOPMENT COMBINING DISTRICT**

SECTION 19.1-200, APPLICABILITY.

Density Adjustments

Those areas that are to remain as undeveloped open spaces with public access wherever feasible, such as undevelopable slopes and natural landmarks, etc., and/or to be used for recreational purposes with pedestrian/bicycle access where feasible, shall be offered, through dedication, as part of an open space and park system that is accessible for pedestrian/bicycle traffic.

ARTICLE 19.5
RIVERFRONT WAREHOUSE ZONING DISTRICT

SECTION 19.5-100, STATEMENT OF INTENT. The City of Petaluma recognizes that the area described herein, known as the Riverfront Warehouse District, is a unique vestige of Petaluma's past that combines industrial, commercial and residential uses of historic and economic value to the City and its residents. As such, it is the purpose of this ordinance to accomplish the following:

4. To minimize the traffic, noise, parking and other potential impacts on the area that may arise as a result of new development or expansion of existing uses with strong encouragement of an infrastructure for bicycle/pedestrian travel throughout the area.
6. To create a vibrant core of mixed uses that will serve the needs of existing residents, business owners and employees as well as attract new businesses, shoppers, tourists, and residents.

ARTICLE 20
PARKING AND LOADING FACILITIES, OFF-STREET; SHOWERS

SECTION 20-100, PURPOSE OF ARTICLE 20: To reduce street congestion and traffic hazards in the City of Petaluma by incorporating safe, adequate, attractively designed facilities for off-street parking and loading as an integral part of every use of land in the City requiring such facilities and by providing adequate shower facilities in commercial settings to encourage employee bicycle commuting to and from the workplace.

SECTION 20-200, OFF-STREET AUTOMOBILE AND BICYCLE PARKING, GENERAL REGULATIONS.

20-201 There shall be provided on the same site with any use off-street parking, spaces for automobiles and bicycles in accordance with the requirements herein, or as provided in paragraph 20-205. In all cases where bicycle parking is required, bicycle parking shall not be more inconveniently located than car parking and attempts should be made to have bicycle parking more convenient. All deviations from the City of Petaluma Municipal Code or the City of Petaluma Zoning Ordinance regarding bicycle parking shall be routed through the PBAC. Where existing buildings not now meeting these requirements are proposed to be enlarged or increased in capacity in excess of ten percent (10%), in any district except an agricultural or single-family district, off-street parking shall be provided as required herein for the entire floor area of the structure.

20-203 **Off-Street Parking Space.** "Off-street parking space" means a permanently surfaced area for automobile and bicycle parking which has been delineated, in accordance with City standards, located either within a structure or in the open, excluding aisles, driveways and access drives.

20-204 **Off-Street Parking Facility.** "Off-street parking facility" means a site, or a portion of a site, devoted to off-street parking of automobiles and bicycles, including parking spaces, aisles, access drives and landscaped areas, and providing automobile and bicycle access to a public street or bikeway.

20-205 **Alternatives to On-Site Parking.** The requirements of this section shall be considered satisfied if the required automobile parking is provided up to six hundred (600) feet from the site of the use being served and the required bicycle parking is provided up to 100 feet from the site, such distance being measured along the shortest available route of pedestrian access to the primary building entrance. The determination of the distance to be permitted (0-600') shall be made by the Community Development Director on a case-by-case basis. The Community Development Director shall consider the following in making the determination: type of use being served; ease of bicycle and pedestrian access from the off-site location to the site being served; characteristics of the off-site parking facility(s); potential adverse effects that reduced on-site parking may present to the immediate area; term of off-site rental/lease arrangements. This alternative does not apply to residential parking. (Ord. 1996 11/95)

20-206 **Cooperative Parking Facilities.** Requirements for the provision of parking facilities, with respect to two or more establishments on the same or different sites, may be satisfied by the permanent allocation of the requisite number of spaces for each use in a common parking facility, located not farther than three hundred (300) feet measured along the shortest available route of pedestrian access from the site of any such participating use. In such cases, bicycle parking shall still be required adjacent to each building.

SECTION 20-300, NUMBER OF AUTOMOBILE AND BICYCLE PARKING SPACES REQUIRED.

20-301 The number of bicycle parking spaces required will be a minimum of ten percent of the automobile spaces required, except for the following land uses which will require 25% of the automobile spaces required: Commercial Recreational, Community Facilities.

SECTION 20-400, STANDARDS FOR OFF-STREET PARKING FACILITIES. All off-street parking facilities shall conform with the following standards:

20-402 **Aisles.** Access to each off-street automobile or bicycle parking space shall be from a driveway or aisle, which is sufficient for readily turning and maneuvering automobiles or bicycles.

20-4061 **Type of Bicycle Parking.** The City shall require the installation of a certain percentage of Bicycle Parking (bicycle lockers and guarded parking, covered and uncovered bicycle racks) depending upon the type of land use. Unless otherwise specified on a case by case basis, of the total bicycle spaces required 60% should be bicycle lockers, another form of enclosed bicycle parking, or guarded parking and 40% should be bicycle racks covered. The intent of this requirement is to provide secure parking at locations where employees and customers will be parking for long periods of time, in particular adjacent to any area close to public transportation. All deviations from this requirement shall be routed through the PBAC.

SECTION 20-600, POWER OF THE ZONING ADMINISTRATOR (DIRECTOR) TO MODIFY REQUIREMENTS. The provisions of this section as to number of spaces may be modified by the Zoning Administrator (Director) in the following cases only. If the modification pertains to bicycle parking, it shall be routed through the PBAC as well:

SECTION 20-1200, POWER OF THE ZONING ADMINISTRATOR (DIRECTOR) TO MODIFY OR INCREASE REQUIREMENTS. The provisions of this section as to number of spaces may be modified or increased by the Zoning Administrator (Director) in the following cases only. If the modification pertains to Bicycle Parking, it shall be routed through the PBAC as well.

20-1300 **Showers.** Employee shower facilities shall be provided for any new building constructed or for any addition to or enlargement of any existing building in compliance with the following table:

USE

Medical
Professional General business offices
Financial Services
Business Schools
General business Services
Research and development
Manufacturing
General Business services
Business and Trade Schools

<u>Gross Floor Area</u>	<u>Number Of Showers</u>
0--9,999 square feet:	No requirement
10,000-19,999 square feet	1
20,000-49,999 square feet	2
50,000 square feet and up	4

USE

Retail, Personal and Eating and Drinking Services

<u>Size</u>	<u>Number of Showers</u>
1-9,999	0
10,000-24,999 square feet	1
25,000-49,999 square feet	2
100,000 square feet and up	4

SECTION 20.1400, The provisions of this section as to square footage requiring showers may be modified. Any request for modification shall be routed through the Petaluma Bicycle Advisory Committee for recommendation to the Planning Commission.

ARTICLE 24 EXCEPTIONS AND MODIFICATIONS

SECTION 24-500, OTHER EXCEPTIONS.

24-500.2 Each entrance and exit to a parking lot or driveway shall be constructed and maintained so that any vehicle entering or leaving such parking lot shall be clearly visible a distance of not less than fifteen feet (15') to a person approaching such

entrance or exit on any abutting pedestrian walk or foot path and not less than thirty feet (30') to a person approaching such entrance or exit on any abutting bikeway.

ARTICLE 26

ADMINISTRATIVE PROCEDURES AND PERMITS

26-406 Standards for Review of Applications...

- C. Ingress, egress, internal traffic circulation for bicycles and automobiles, off-street automobile and bicycle parking facilities and pedestrian ways shall be so designed as to promote safety and convenience, and shall conform to approved City standards. Any plans pertaining to pedestrian, bicycle or automobile circulation shall be routed to the PBAC for review and approval or recommendation.

ARTICLE 27

AMENDMENTS

- 27-205 A. A site plan, drawn to scale, showing the proposed layout of structures and other improvements including, where appropriate, streets, bikeways, driveways, pedestrian ways, parking and loading areas, landscaped areas, fences and walls shall be drawn up. The site plan shall indicate the locations of entrances and exits and the direction of traffic flow--for automobile bicycle and pedestrian--into and out of parking and loading areas, the location of each automobile and bicycle parking space and each loading berth, and areas for turning and maneuvering vehicles.

Appendix B **References**

B. 1. Documents from Petaluma, Listed Chronologically

The following documents generated within the City of Petaluma were used in preparing this document. They are listed chronologically:

- 1972 Petaluma Municipal Code, updates through July 1998
- 1974 Bicycle Route Study
- 1974 Safest Route to School Study
- 1982 City of Petaluma Zoning Ordinance, revision through September 1997
- 1986 River Walk, City of Petaluma
- 1987-88 City of Petaluma Bikeway Study
- 1989 Corona Ely Specific Plan
- 1987-2005 Petaluma General Plan
- 1991 South Petaluma Boulevard Plan (Land-owner generated, not adopted by the City)
- 1991 Enhancement Plan for the Petaluma Marsh
- 1992 Memo Clarifying the 1987-88 Bikeway Study
- 1995 Petaluma River Access and Enhancement Plan
- 1996 Petaluma Police Department Bicycle and Pedestrian Safety Program
Final Report, Project Number CP 9416
- 1998 City of Petaluma Department of Engineering Street Design and
Construction Standards and Specifications
- 1999 Draft of the Central Petaluma Specific Plan

B. 2. Documents from Sonoma and Marin Counties, Listed Chronologically

The following documents generated within Sonoma County and Marin County were used in preparing this document. They are listed chronologically:

- 1993 Petaluma Public Opinion Survey, Sonoma State's "Institute for
Community Planning Assistance."
- 1994 Marin County North-South Bikeway Feasibility Study.
- 1995 Bicycle and Pedestrian Plan, City of Sebastopol.
- 1995 Bicycle Master Plan, City of Rohnert Park.
- 1995 Public Opinions, Attitudes and Priorities for Regional Parks and
Recreation Facilities, Sonoma County Regional Parks Department.

- 1996 Sonoma County Bikeways Plan.
- 1997 Draft Bicycle and Pedestrian Pathways Plan, City of Sonoma.

B. 3. Additional Documents, Listed Alphabetically

The following other documents and sources were used in preparing this document. They are listed alphabetically.

- ACT news, Association for Community Transportation, Northern California Chapter, Spring 1995.
- Asphalt Nation: How the Automobile Took Over America and How We can Take it Back, Jane Holz Kay, Crown Publishers, 1997.
- Bicycle and Pedestrian Planning Under ISTEA, A Synthesis of the State of the Practice, U.S. D.O.T, Federal Highway Administration, July 1997.
- Bicycle and Pedestrian Use Trail Plan, City of El Paso, Texas, 1994.
- “Bicycle Element,” City of El Paso, Texas (date unknown, probably out of General Plan).
- Bicycle Facility Planning, American Planning Association, Planning Advisory Service, Pinsof and Musser, 1994.
- “Bicycle System and Walkways,” City of Mountain View, CA (date unknown, two chapter headings probably out of General Plan).
- Bicycle System Plan, Boulder Colorado, 11/2/95.
- Bicycle Transportation Plan, City of San Luis Obispo, CA, 1993.
- Bicycling Magazine, “How Bicycling Can Save Our Cities,” August 1990.
- Bicycling: PAG Regional Plan, Tucson Arizona, 1993.
- “Bike Action 2000, an advocacy workshop,” Bicycle Federation of America, League of American Bicyclists, Rails to Trails Conservancy, 1995.
- “Boulder Plans \$20 Million in Bike and Pedestrian Improvements,” Western Trail and Bikeway News, Spring 1995.
- Chico Urban Area Bicycle Transportation Plan, Chico, CA, July 1995.
- City of Davis Bikeway Plan, Davis, CA, update from 1991 plan (date unknown).
- Comprehensive Bicycling Policy, Seattle, Washington, (date unknown).
- Eugene, Oregon: Various documents including “Bikeways Map”; two safety brochures entitled “The Path of Least Resistance” and “Head Smart”; “Design Standards for Eugene Streets, Sidewalks, Bikeways, and Access Ways” from December 1993; “Commuting to Work,” a brochure; excerpts from the Oregon Vehicle Code; and a bicycle document entitled “Bicycles in Cities: The Eugene Experience” describing their bicycle planning history and their planned projects.
- “Evaluation of the Burke-Gilman Trail’s Effect on Property Values and Crime,” Seattle Engineering Department, May 7, 1987.

- Guidelines for Creating a Non-Motorized Travel Network in the Greater Missoula Area, Amendment to the Missoula urban Comprehensive Plan, Missoula, Montana, 1/94.
- Lake County Bikeway Plan, Lake County, CA, 1992.
- The National Bicycling and Walking Study, U.S. Department of Transportation, Federal Highway Administration, publication FHWA-PD-023, approximately 1991.
- “New style of bike racks to be installed,” Campus Report, Stanford University, March 8, 1995.
- Palo Alto, CA: Various documents including City Policy Regarding “Employee Showers in Commercial and Industrial Developments,” “Drive-through Facilities” and “Off-Street Parking and Loading Regulations” plus “City of Palo Alto Bicycle Routes” (a map).
- Pesticide Watch, 116 New Montgomery St., Suite 530, San Francisco, CA. 94105.
- Surface Transportation Policy Project PROGRESS, newsletter of STPP, numerous issues, Hank Dittmar, Executive Director, 1100 17th St. N.W Tenth Floor, Washington, C.C. 20036, numerous issue.
- Trail and Bikeway News, a publication for bicycle and trail planners, designers, managers and advocates, numerous issues.
- Transportation Solutions, newsletter of the Sonoma County Transportation Coalition (SCTC), numerous issues.
- “What it Takes: a discussion with Suisun City mayor, Jim Spering,” STPP Progress, March 1997.

Appendix C Glossary

C. 1. Nine Key Terms

The following terms are types of designated bicycle travel areas:

1. Bikeway
A general term, pertaining to any street, road, or pathway which in some manner is specifically designated for bicycle travel, regardless of whether the facility is designated for the exclusive use of bicycles or is to be shared with other transportation modes.
2. Class I Bikeway or “Bicycle/Pedestrian Path” also referred to as “Bicycle/Pedestrian Path”
A bicycle/pedestrian path is physically separated from motorized vehicular traffic by an open space or barrier. On occasion, these bicycle/pedestrian paths may provide access only for pedestrians or for bicyclists who walk their bicycles where safety issues dictate.
3. Class II Bikeway or “Bicycle Lane”
Bicycle lanes are designated on roadway shoulders by striping, signs, and/or pavement markings for preferential use by bicyclists. They are separated from motorized vehicle travel lanes by a solid white line and are located outside the travel lanes. Motor vehicles and pedestrians are prohibited from using bicycle lanes.
4. Class III Bikeway or “Bicycle Route”
On Class III bicycle routes, bicyclists share a traffic lane with motorized vehicles. These routes are designated with a “Bicycle Route” sign.
5. Bicycle Boulevard
A City street, usually determined to be key to bicycle through-traffic, in which bicycles have been given precedence over cars by means of barriers, traffic calming, stop signs aimed at car travel, etc.

The following are terms used in this Bicycle Plan that mandate compliance:

6. Goal
A general, overall and ultimate purpose, aim, or end toward which the City will direct effort.
7. Objective
A specific statement of desired future conditions toward which the City will expend effort in the context of striving to achieve a broader goal.
8. Policy
A specific statement of principle or of guiding action, which implies a clear commitment. A general direction that the City will follow in order to meet its goals

and objectives by undertaking specific action programs. The word “shall” makes mandatory those policies in which it appears.

9. Program

An action, activity or strategy carried out in response to adopted policy to achieve a specific objective.

Note: Policies and Programs establish the “who,” “how” and “when” for carrying out the “what” and “where” of the Goals and Objectives to which the City aspires.

C. 2. Abbreviations

Most of these have been used in this document; those that have not are frequently-used terms used in preparing this document and useful for reading the references.

AAMPO - Association of Metropolitan Planning Organizations

An organization of regional planning organizations, of which our member is MTC.

AASHTO - American Association of State Highway Transportation Officials

ABAG - Association of Bay Area Governments

ADT - Average Daily Traffic

The average number of motor vehicles using a road daily.

BAAQMA - Bay Area Air Quality Management Act

BAAQMD - Bay Area Air Quality Management District

Bicycle Coordinator/PBAC - Bicycle Coordinator/Petaluma Bicycle Advisory Committee

Wherever this term is used in this document, it means inclusion of both the PBAC'S staff member (the “Bicycle Coordinator”) *and* one or more member of the City Council-appointed local Petaluma Bicycle Advisory Committee (PBAC).

Caltrans - California Department of Transportation

CBAC - County-wide Bicycle Advisory Committee

Two representatives from each of 10 cities. One staff and one citizen represent the urbanized areas and participate in the dispersal of funds to each of the City jurisdictions.

CIP - Capital Improvement Projects

These exist at both City and County level and spell out priorities with dollar amounts for both automobile and “alternative transportation” modalities.

CMAQ - Congestion Mitigation Air Quality

A portion of the Federal gas tax used to meet Air Quality standards goes to CMAQ Improvements.

DOT - Department of Transportation

EIR - Environmental Impact Review
A State requirement.

EIS - Environmental Impact Statement
A Federal requirement.

FHWA - Federal Highway Administration
One of three groups under the DOT along with the FTA and the Federal Aviation Administration.

FTA - Federal Transit Administration

GGBD - Golden Gate Bridge District

ISTEA - Intermodal Surface Transportation Enhancements Act
Legislation enacted in 1991 and continuing until 1998 under which all Federal transportation monies were distributed. ISTEA shifted decision-making about transportation money from Washington to 50 state Departments of Transportation, 400 Metropolitan Planning Organizations and 10,000 City/county jurisdictions. In 1998 this legislation was replaced with TEA-21, a similar program.

LRP - Long-range Plans
These are plans made at the State level which don't generally contain dollar amounts, but are ideological in nature

MPO - Metropolitan Planning Organization
A regional group which plans transportation priorities in a given region. Ours is the MTC. The means by which TDA Article 3 funds are dispersed depends on how ones MPO has organized it.

MTC - Metropolitan Transit Commission
The 9-county Bay Area "MPO" that programs money to public agencies in these counties. The TEA-21 program gives more funding discretion to the MPO's than did ISTEA or the programs before. The process by which money is obtained is competitive and when a small City's proposals compete with a large urban area's proposals it can be challenging for the smaller jurisdiction, without the large staffing support, to win grants.

NHS - National Highway System
Replaces its predecessor the Interstate Highway System in terms of Federal commitment, since the Interstates are now considered complete. It is defined as a limited network of America's most heavily-traveled roads.

NWPR - North-western Pacific Railway

NWPRRA – Northwestern Pacific Railroad Authority
The public agency that operates the Northwestern Pacific Railway, being managed by the Golden Gate Bridge District (GGBD).

Park and Rec. – Recreation, Music and Parks Commission

A non-paid Commission appointed by the Petaluma City Council and staffed by the Commissioner of Recreation, Music and Parks.

PBAC - Petaluma Bicycle Advisory Committee

The City Council appointed body charged with monitoring the bicycle and pedestrian transportation modalities in the City of Petaluma.

REBAC - Regional Bicycle Advisory Committee

The Bicycle Advisory Committee of the San Francisco Bay Area, which has a Board with members from the 9 counties. It was formed due to a request by MTC for input from the bicycle community for their Regional Transportation Plan.

SCA – Sonoma County Alliance

An alliance of builders, developers, labor representatives and others actively involved in transportation policies.

SCTA - Sonoma County Transportation Authority

Elected officials from each of 10 local jurisdictions (9 cities and the county) which serve as this region's "Congestion Management Agency," sending projects to MTC for funding monies.

SCTC - Sonoma County Transportation Coalition

An alliance of environmentalists and others actively involved in transportation policies.

Sonoma County BAC - Sonoma County Bicycle Advisory Committee

A group which represents the rural areas of Sonoma County, planning the rural bicycle routes including connections to urban areas.

SPARC - Site Plan and Architectural Review Committee

A non-paid citizen committee appointed by the City Council which holds the first public discussions on development plans, prior to the Petaluma Planning Commission.

STPP - Surface Transportation Policy Project

A watchdog group out of Washington D.C., formed after passage of ISTEA to monitor ISTEA's results.

TDA - Transportation Development Act

TDA requires a certain portion of transportation money to be programmed for non-motorized vehicles, buses and trains.

TEA-21 – Transportation Efficiency Act for the 21st Century. (See ISTEA)

TIP - Transportation Improvement Programs

These are documents setting out priorities with dollar amounts for the MTC, through which the county and cities get transportation monies.

TSM - Transportation System Management

A term existing both in the Petaluma General Plan 1987-2005 and in the Municipal Code, suggesting reductions in automobile parking requirements if employers provide incentives for employees to use less-polluting forms of transportation.

vpd – Vehicles per Day

Term used in calibrating how busy a street is.

C. 3. Other Terminology, Alphabetized

Annual School Principal's Bicycle/Pedestrian Trouble Spots and Wish List

A form sent to each school Principal once a year by the PBAC to elicit suggestions to help the City have more effective bicycle/pedestrian planning. A program mandated by this Plan.

Arterials

Relatively high-speed, relatively high-capacity roads carrying up to 50,000 vpd. Defined in detail in the Petaluma General Plan.

Bay Area Ridge Trail

A 400-mile proposed and partially completed trail ringing the San Francisco Bay, connecting 75 parks and public open spaces. The Bay Area Ridge Trail is trying to provide for as many "user groups" as possible: horses, bicycles, hikers people with disabilities.

Bay Trail

See "San Francisco Bay Trail."

Bicycle/Pedestrian Access

An area intended for both bicycle access and pedestrian access where pedestrian access may be its exclusive use if bicycle access proves impractical.

Bicycle/Pedestrian Path

A path intended for both bicycle and pedestrian use, where pedestrian access may prove its exclusive use if bicycle access proves impractical.

Bicyclist/Pedestrian Improvements Wish List

Yearly input requested from Petaluma businesses regarding bicycle/pedestrian improvement ideas. A program mandated by this Plan.

Central Petaluma Transit Center

The term used in this document to mean the area near the old Railroad Depot where a future transit center is planned, as described in the document "Central Petaluma Specific Plan," draft 1999.

Chamber of Commerce

A group of Petaluma businesses banded together to give member businesses a voice in community affairs.

Collector

Relatively low-speed, relatively low-volume streets carrying 5000-20,000 vpd. Defined in detail in Petaluma General Plan.

Corona Reach Area

An area bounded approximately by McDowell Boulevard on the east and Petaluma Boulevard North on the west, by Corona Road on the north and the Lynch Creek on the south. See the Petaluma General Plan or the Corona Reach Specific Plan for more specific boundary lines. It also includes one area on the east side of Highway 101 bordered by Rainier, McDowell and an industrial/office development to the south.

Central Petaluma Specific Plan

The document, mandated by the General Plan, to guide development of several hundred acres in and around the old railroad depot, the 1st and 2nd St. neighborhood, and McNear Peninsula and lands to its East. A draft of this document was completed by a City Council appointed committee in February 1999.

Curb Cuts

Ramps at driveways or intersections.

Downtown Petaluma Merchants' Association

A group of downtown Petaluma businesses banded together to give member businesses a voice in community affairs, particularly in relation to the downtown area.

Engineering Department

Employees of the City of Petaluma whose task is to build safe transportation structures, to find funding for and implement City-Council prioritized improvements and to work with the contractors who do the building.

General Plan

Refers to the Petaluma General Plan 1987-2005, the central guiding document for the City.

Incentives for Bicyclists/Pedestrians

An annual inventory submitted to all local businesses by the City requesting information on the incentives available at that business to encourage more bicycling and walking to work. A program mandated by this Plan.

Local Streets

Local access streets serving neighborhoods

Mixed Use

Mixing residential with retail, industrial and/or office.

Multi-use Path

A term used interchangeably in this document with “Class I Bicycle/Pedestrian Path.”

Open Areas

“Open areas” is a general term used in this document to refer to any park, right of way, City-owned property, utility corridor, publicly-used land, school yard, which is open land and useful for bicycle/pedestrian travel.

Petaluma Businesses

Any business entity large or small operating within the City’s Urban Growth Boundary, including public and private entities, the City, County, State, and Federal government and all schools.

Petaluma River Access and Enhancement Plan

A comprehensive plan completed in 1995 for the Petaluma River, 96% of which pertains to areas within the General Plan’s urban limit line. The River Plan proposes a 6.5 mile long 300-acre linear open space system linked to neighborhoods, commercial centers, and other open spaces throughout the City and into the regional park and trail complex.

Planning Commission

Non-paid citizen appointees by the City Council who serve 4 year terms (with a maximum of 2 terms) to monitor the planning efforts within the Planning Division and in the City of Petaluma. Planning Commission decisions are binding and but can be appealed before the City Council if the applicant pays an appeal fee.

Planning Division

Employees of the City of Petaluma, under the direction of the City Manager, who assist the citizens, the Planning Commission and the City Council in carrying out the Petaluma General Plan, the Petaluma Municipal Code, the City of Petaluma Zoning Ordinance and the will of the City Council with regard to all development planning.

Protective Warning Device

Any human-engineered device which assists safer crossings of the street.

Public Works Department

The Department of the City of Petaluma responsible for maintenance of facilities.

Rail Trail

The Class I Multi-use trail planned to go along the North-western Pacific Rail line through Petaluma and into County lands both north and south.

River Plan

A shortened term referring to the “Petaluma River Access and Enhancement Plan.”

San Francisco Bay Trail

When complete, this "Bay Trail" will be a continuous 400-mile recreation and transportation corridor that will encircle the entire Bay Area, connecting communities to each other and to the San Francisco Bay. It will link the shoreline of all nine counties of the Bay Area and 47 of its cities. Managed by ABAG.

Spot Improvement Request Forms

Forms distributed throughout Petaluma for citizen to report small, bicycle/pedestrian problems that can be attended to promptly and inexpensively by the City and are low cost. Items on these request forms will include problems with paving, lighting, sweeping, trimming, signage, curb cuts, striping, etc. A program mandated by this Bicycle Plan.

Transit Division

The City of Petaluma Department responsible for public transportation oversight.

Transportation System Management

TSM is a comprehensive strategy dealing with the problem of development and the ensuing traffic generation, focusing on reduction of vehicle miles traveled (VMT) and distribution of the timing of trips to ease congestion rather than on the expansion of highways.

Urban Separator

A visible band of open space at the edge of allowable development, which allows public access.

Appendix D **Pertinent General Plan Policies**

The following Petaluma General Plan 1987-2005 Goals, Objectives, Policies and Programs are the framework supporting the Goals, Objectives, Policies and Programs of the Petaluma Bicycle Plan 1999.

Chapter 1: Executive Summary

Central Goals

- Make it easy and convenient to travel in and around Petaluma; tie allowable new development to the capacity of roadways; prevent intrusion of non-neighborhood traffic into neighborhoods; develop comprehensive transit and bikeway systems. (pg. 3)
- Create a system that preserves open space within and outside of Petaluma. Use the system to tie together open spaces and activity centers. (pg. 4)

Chapter 3: Community Character

Defining Community Character

- Goal 2: Preserve and strengthen the quality of life in Petaluma. (pg. 11)
- Goal 3: Preserve and enhance view of dominant features.

Open Feeling and Rural Backdrop

- Objective (b): Preserve the rural backdrop and maintain views of important natural features including the Sonoma Mountains, Petaluma River, and western hills. (pg. 15)

Streets

- Objective (g): Emphasize and encourage better integration of alternative transportation modes, such as pedestrian and bicycle circulation, in street designs and improvement. (pg. 16)
- Policy 8: The amount of paving and the apparent width of streets shall be reduced physically and visually.
- Policy 14.1: Street improvements shall incorporate, where applicable, safe pedestrian and bicycle access and related facilities.
- Policy 14.2: New development shall include pedestrian and bicycle circulation within and through the site to connect existing and/or planned City-wide pedestrian and/or bicycle networks.

- Program (8): ...New residential streets will be narrower; new industrial streets will have paved sidewalks and/or pedestrian/bicycle pathways away from the street. (pg. 17)
- Program (8.1): Where appropriate, intersection designs should include bicycle lanes connecting through the intersections.
- Program (9.2): Encourage use of street furniture, lighting, bicycle racks, transit facilities, and landscaped areas within new development to enhance pedestrian, transit and bicycle circulation.
- Program (17): Prepare a comprehensive informational direction sign program for the City. (pg. 18)

Urban Open Space

- Policy 26: ...McNear Peninsula offers an exceptional opportunity to create a unique central park, with access from land limited to pedestrians and bicyclists. (pg. 21)
- Program (34): Prepare an open space plan for the City. The plan should identify existing open spaces, including open spaces downtown; propose new open spaces (so be retained or developed); and link the various open spaces through bikeways, pedestrian paths, tree-lined streets, and river access.
- Program 37: Street furniture (planters, benches, newspaper racks, trash receptacles, street lamps, bicycle racks bicycle lockers etc.) should be installed downtown to enhance the City's most urban spaces.

Chapter 4: Land Use and Growth Management

Urban Limit Line And Permanent Open Space Frame

- Objective (a): Maintain well-defined boundaries at the edge of urban development. (pg. 30)

Urban Separator

- Objective (h): Continue to extend the urban separator whenever and wherever possible.
- Policy 14: The City shall extend the length of the urban separator where feasible, at a maximum width of 300 feet.
- Policy 19: ...The General Plan Land Use map shows a wavy edge on the inside of the urban separator to designate those properties where the width of the separator will vary. Where the urban separator is designated as being of variable width, the City will work with developers to establish the width in concert with the project design.

Program (5): Use all feasible measures to acquire and protect the urban separator.

Chapter 5: The River

Reclaiming the Waterfront

Opportunities to see and have access to the river should be increased. As redevelopment and new development occur, setbacks should be required for bank stabilization and landscaping and, eventually, for bicycle and pedestrian routes. (pg. 40)

Objective (c): Create a riverfront route for pedestrians and bicyclists on both sides of the river, at the river's edge for its full length in Petaluma, where feasible. (pg. 41)

Objective (d): Provide safe pedestrian and bicycle bridges across the river.

Policy 4: Pedestrian and bicycle paths shall be established along and across the river and along major streams.

Program (3): Design the bicycle path along the Petaluma River to address the security of bicyclists and property owners. (pg. 42)

Program (4): Develop public parks adjacent to the Petaluma River.

Program (11): Buildings that face the river's pedestrian/bicycle route will improve the appearance of the area and enliven retail activity. (pg. 43)

Chapter 6: Open Space, Conservation and Energy

Open Space Around Petaluma

Objective (a) Link open space to activity centers, other open space, and scenic routes to help define urban form and beautify the City. (pg. 45)

Objective (b): Use open space to protect and enhance the unique character and identity of the City, and provide for outdoor recreation.

Policy 2: The City will make every effort to create an integrated system of urban open space, streams, and parks.

Policy 3: The City shall permit limited recreational use in designated floodway areas along the Petaluma River where the City has acquired land or an easement, as long as the recreational uses do not interfere with the flood handling capacity of the river.

Program (2): Connect open spaces and activity centers with scenic and bicycle routes. (pg. 46)

Program (4): Utilize abandoned railroad right-of-way to link open space lands and activity centers.

Scenic Routes

Objective (c): Protect and enhance scenic routes to historic areas and major recreation areas, and establish scenic trails and paths along waterways.

Policy 5: The City shall continue to identify and evaluate scenic routes in Petaluma and non-vehicular routes in the urban separator. (pg. 47)

Policy 7: To the extent possible, scenic routes on designated roadways should be coordinated with bicycle routes, providing wayside stops for the use of bicyclists and drivers both.

Policy 9: ...The following criteria will be used to select scenic roadways:

- The routes are a part of an interconnected network of scenic roads.
- The routes provide visual links between major recreation areas, foot trails, bicycle paths, and waterways.
- The roads provide access to major recreation areas, foot trails, bicycle paths, and waterways
- The roads provide access to cultural points of interest and to illustrations of the City's and Count's history."

Scenic Route Regulations: ...Coordinating scenic roadways with bicycle routes, possible providing wayside stops for the use of bicyclists and drivers both.

Energy

Goal 8: Maximize Petaluma's energy-efficiency. (pg. 53)

Objective (2): Promote the conservation of non-renewable energy resources.

Policy 31: Land development practices should be consistent with greater energy-efficiency opportunities in conservation and solar energy for space heating and cooling and transportation.

Chapter 7: Parks, Recreation, Schools, Child Care, Parks and Recreation

Goal 1: Provide for all citizens a variety of enjoyable leisure, recreation, and cultural opportunities that are accessible, affordable, safe, physically attractive, and uncrowded. (pg. 57)

Goal 2: Effectively use public facilities to serve the greatest number of Petalumans.

Goal 3: Promote improved park location and design.

Goal 4: Provide a network of trails and pathways throughout the City.

Park Standards

Policy 5: The City should provide park sites to respond to the needs of a diverse population. These needs include creekside systems, trailways for pedestrians, joggers, and bicyclists, and non-traditional types of recreation such as habitat restoration projects, community gardens, and skateboarding. (pg. 58)

Basic Guidelines For Community Park Development: Design: ...Provide parking on-site. Include bikeways that connect to the Citywide bikeway system...Promote safety through lighting and design...Some paths should be designed for use of a patrol car as well as for bicyclists and pedestrians. (pg. 59)

Program (6): Provide incentives for new, large-scale industrial and commercial development and redevelopment to include shower and locker room facilities in order to promote the physical conditioning of employees and their use of public and private recreation opportunities.

Efficient Use Of Facilities

Objective (f): Maximize opportunities for the joint use of public land and facilities such as schools, detention ponds, and areas under the jurisdiction of other public agencies that have land available for possible recreational use.

Policy 10: The City encourages the Sonoma County Water Agency, school districts, the Pacific Gas and Electric Company, and other public agencies and utilities to provide appropriate recreation uses on their respective properties and rights-of-way.

Program (10): Prepare a list of available public facilities and requirements for their use. Periodically update and distribute this list throughout the community.

Policy 15: In the design and maintenance of parks, consideration should be given to impacts on wildlife. In particular, it should be recognized that...herbicides, pesticides, and fungicides may be damaging to native plants and wildlife. (pg. 60)

Basic Guidelines For Neighborhood Park Development: ...Use bikeways and pedestrian pathways to provide access to parks...

Trails and Pathways

The City plans to work with private developers, the County, and the State Park System to establish a trail system in or adjacent to the urban separator to connect the City's and county's trail systems... (pg. 61)

Objective (k): Designate a network of trails and pathway corridors.

- Objective (m): Provide alternative means to reach the state park, regional parks and other natural areas.
- Objective (n): Maximize the City's recreation opportunities.
- Objective (o): Establish a trail system in or adjacent to the urban separator. Connect it to Putnam Park and to the Old Adobe State Historic Park.
- Policy 16: Bikeways, hiking trails, equestrian trails, rest areas and picnicking accommodations should be provided within designated trail corridors, wherever feasible.
- Policy 18: When new development occurs adjacent to a designated trails and pathways corridor, the City should require the development to install and maintain the trail.
- Policy 20: Bridges and other public improvements within designated trails and pathways corridors should be designed to provide safe and secure routes for trails, including grade separation between roadways and trails whenever feasible.
- Policy 21: The City should promote cooperative interagency planning of pathways, bikeways and equestrian trails.
- Policy 22: The incorporation of trails and pathways into corridors used for public and utility purposes is encouraged.
- Program (18): Develop and implement a Trails and Pathways Corridors Master Plan.

Schools (pg. 62)

- Objective (r): Provide transportation and recreation opportunities in proximity to centers of student population.
- Objective (s): Effectively use public school and park lands to serve the greatest number of Petalumans.
- Policy 24: Encourage the use of school buildings and grounds after school hours.
- Program (24): Develop neighborhood-based elementary-age recreation programs to utilize school grounds after school hours so that activities are provided without the need for travel to other areas in Petaluma.
- Program (25): Evaluate the transportation and recreational needs brought on by an increase in post-high school students.

Chapter 8: Local Economy

Economic Goals

- Goal 3: Encourage the growth of tourism as part of Petaluma's economic base by enhancing the City's potential to attract tourists through urban design improvements, promotion, development of visitor attractions and provision of a variety of overnight accommodations. (pg. 68)
- Goal 4: Enhance the Downtown as a community focal point and the City's major commercial center in order to encourage economic growth while retaining downtown's historic heritage.

Mixed Use

- Objective (d): Provide opportunities to create combined 'living and working' environments. (pg. 71)
- Policy 10: The City shall strive to make land available for effective residential/workplace (mixed use) developments.
- Program (19): Investigate the desirability and feasibility of mixed uses and map specific areas for these developments.

Reinforce Downtown's Character

- Objective (i): Reinforce the unique character of downtown. (pg. 73)
- Objective (j): Emphasize downtown's traditional role as the community's major commercial center.
- Objective (l): Attract visitors and shoppers downtown.
- Policy 18: The land use and design decisions of the PCDC and SPARC should reinforce the pedestrian scale and character of the downtown.

Attract Shoppers and Tourists

- Policy 23: The City shall make every effort to make downtown attractive to shoppers and tourists. (pg. 74)
- Program (42): Encourage the use of City redevelopment funds as necessary to complete planned public improvements.

Chapter 10: Transportation

- Goal 1: Provide Petaluma with a problem-free transportation system. (pg. 99)
- Goal 2: Improve safety on all streets.

- Goal 3: Preserve the peace and quiet in residential areas.
- Goal 4: Reduce dependence on the auto by integrating, to the extent feasible, alternative transportation modes as a fundamental component of the City's transportation system.

Bicycle Facilities

The use of bicycles is increasing. Construction of safe and direct facilities will encourage bicycle use, despite the high level of auto ownership and a lack of captive (student) users. Existing bicycle facilities are very disjointed. Routes to major destinations, such as downtown, parks, or schools, are limited or non-existent. Bicycle routes have not been constructed according to the recommendations of the 1974 Bike Route Study. (pg. 106)

Pedestrians

Most pedestrian needs are met by the construction of sidewalks along City streets and arterials. ...It is desirable to run combined pedestrian/bicycle facilities through greenbelt areas to link new residential areas and office/industrial, commercial, school and recreation areas. ...The Kenilworth crossing of U.S. 101, which is currently closed, needs nearby development near its west end, to provide for activity levels more conducive to safe passage over the bridge.

Traffic Flow, Convenience, and Access

- Objective (a): Improve traffic flow. (pg. 107)
- Objective (b): Provide easy and convenient access to all areas of the community.
- Objective (c): Improve connections between the East and West Sides...
- Policy 12: In newly developing areas, the City shall establish plan lines for streets and shall create assessment districts where necessary, before development occurs. (pg. 108)
- Program (3): The City shall identify, evaluate, and set priorities for potential east/west routes and develop plans to improve them.

Commercial Areas

- Objective (e): Improve traffic and parking in and around commercial areas. (pg. 110)
- Policy 15: The City shall prepare, adopt, and keep up-to-date a traffic and parking plan for the downtown.
- Policy 16: The City shall prepare, adopt and keep up-to-date a traffic and parking plan for other commercial areas.
- Program (13) Upgrade existing parking facilities and add new ones that will be easy to reach and will prove attractive to drivers and pedestrians alike.

- Program (13.1): Major employment and commercial centers shall incorporate into their development plans, to the extent possible, pedestrian, transit and bicycle access, and related facilities such as bicycle racks/lockers, pathways, street lighting and furniture , and transit stops.
- Program (13.2): Pedestrian links from commercial areas to neighboring residential zones shall be encouraged.
- Program (14): Locate and improve crosswalks for the convenience of drivers and pedestrians alike.
- Program (15): Provide additional turning lanes where needed.

Safety

- Objective (f): Ensure safe travel for pedestrians, and especially for school children going to and from schools.
- Program (16): The City will cooperate with school districts to form a committee to designate and annually update safe routes to and from schools. (pg. 111)
- Program (17): Develop and promote traffic safety and education programs.

Residential Peace And Quiet

- Objective (g): Reduce noise caused by through-traffic in residential areas.

Transit

- Objective (h): Increase transit ridership. (pg. 112)
- Policy 22: The use and development of alternative transportation systems (e.g., light rail; jitney service) shall be encouraged.
- Policy 24.l: Designate and develop transit corridors along major arterials, and improve them concurrent with major public improvements with traffic stops, bicycle paths, and racks, and other facilities, to serve and connect major employment, commercial and activity centers.
- Program (25): Construct a new central transfer terminal. The facility should have adequate vehicle and bicycle parking areas and covered waiting areas...
- Program (26): Provide for park-and-ride facilities at major transit stops.
- Program (27): Provide direct and frequent shuttle service between downtown and other major shopping areas.

Bicycles

Existing bicycle facilities do not meet the needs and desires of the citizens of Petaluma and do little to encourage safe bicycle use within the City...(pg. 112)

- Objective (i): “Construct a comprehensive bikeway system throughout the City to connect major activity centers and scenic areas.
- Objective (j): Connect Petaluma’s bikeways to the County bikeways network.
- Objective (k): Provide for the maximum safety of each bicycle rider.
- Policy 23: The location of bicycle routes shall be studied and coordinated with the retention of open space.
- Policy 24: The bikeway system shall connect major activity centers in Petaluma and link them with scenic areas.
- Policy 25: The bikeway system shall connect to the County network of bicycle routes.
- Policy 26: New or upgraded bridges and overpasses shall include bicycle lanes.
- Policy 27: Existing bicycle facilities shall be upgraded and expanded, and new ones shall be added.
- Policy 28: Major new roadways shall be required to include a bicycle lane in each direction.
- Policy 29: The City shall work with SRJC to establish bicycle routes between the new campus, activity centers, and regional bicycle routes.
- Policy 30: As the bicycle system is implemented, efforts will be made to promote safety.
- Program (29): Update the existing plan and/or adopt a new and comprehensive Bicycle Use and Facilities Plan and implementation program. (pg. 113)
- Program (30): Develop and implement a system of off-road bicycle paths.
- Program (31): Expand and improve bicycle routes, and connect them to each other and to major destinations.
- Program (32): Provide bicycle locker at public facilities.
- Program (33): Require new development and redevelopment to include bicycle routes and parking facilities.
- Program (34): Amend the zoning ordinance to address the construction of bikeways and facilities in the planning review process.
- Program (35): Add to the zoning ordinance specific requirements and standards for the number, location, and type of bicycle parking spaces to be provided by public and private development.
- Program (36): The design of the bikeway system shall minimize the number of freestanding bicycle signs.

Land Use

- Objective (1): Seek commercial and industrial land uses and development that will have programs for employees to ensure fewer vehicle trips.
- Policy 31: Land use decisions shall be based on potential traffic impacts.
- Policy 32: Parking standards shall be reduced in locations near transit or in return for establishment of transportation systems management programs.
- Policy 32.1: Amend Zoning Ordinance to allow more flexibility in parking requirements for mixed-use developments.
- Policy 33: A transportation management plan should be developed to improve traffic flow and provide alternatives to the single occupant auto.) (pg. 114)
- Program (38): Adopt standards permitting up to a forty percent reduction in required paved parking in return for TSM programs (e.g., company sponsored and administered car pooling, vanpooling, ride-sharing, and transit passes).

Bicycling: Adoption of the following rules and administrative procedures will ensure the timely and orderly development of the bicycle system:

- Priority for construction of facilities should go first to school uses...
- On street bicycle lanes should be developed first...
- All new ...streets, and any ...widened should provide for bicycle facilities.
- New development should be encouraged to provide safe and enjoyable off-street links between residential areas and places of work, shopping, and recreation.
- Safe bicycle parking facilities should be provided at major destination points. Facilities should include bicycle lockers for long-term parking; stationary facilities ..; or fenced and locked bicycle “pens” at schools.
- Bicycle racks must be provided on transit vehicles.
- Bicycle facility design should meet California DOT standards.
- An educational program for elementary and Junior high school student should be established to teach children safe bicycle use. (pg. 114)

Chapter 11: Community Health and Safety

Hazardous Waste Management

- Goal 2: Strive to reduce the impact of pollutants on the well-being of Petalumans. (pg. 117)

Program (22.1): Expand and strengthen existing City programs where appropriate to fill in the gaps in the current array of federal, state and local hazardous materials management efforts. ...Protect residents from avoidable industrial and commercial accidents and mishandling of hazardous materials. (pg. 122)

Air Quality

Objective (n): Maintain or improve Petaluma's air quality. (pg. 126)

Appendix E **Sample Bicycle/Pedestrian Forms**

Form 1	School Principal's Annual Bicycle/Pedestrian Trouble Spot and Wish List
Form 2	Bicycle/Pedestrian Spot Improvement Request
Form 3	Employer Survey: Support for Bicycle/Pedestrian Commuting
Form 4	Bicycle/Pedestrian Survey and Suggestion Form

School Principal's Annual Bicycle/Pedestrian Trouble Spot and Wish List

The City of Petaluma wants your suggestions for helping ensure the safety of children walking or riding to school. Please tell us about:

Trouble Spots: Areas in your school neighborhood that need attention.

Problem, possible solution (e.g. steep curb, needs ramp)	Location (e.g. SW corner, 2 nd & B)

Wish List: New construction or programs to improve bicycle and pedestrian safety, convenience, and enjoyment.

Wish	Location (if applicable)

Name: _____

School: _____

Phone: _____

Date: _____

Return To: Petaluma Bicycle Advisory Committee, Petaluma Planning Division, Petaluma City Hall, 11 English Street, Petaluma, CA 94952

Bicycle/Pedestrian Spot Improvement Request

The City of Petaluma wants your suggestions for improving bicycle and pedestrian safety, convenience, enjoyment. This form is for requesting small repairs, not major construction. Please be descriptive about the location, so City repair crews can easily find it:

Pavement obstacles (e.g. potholes, unsafe storm sewer grates, rough gutter-pavement edges)

Problem, possible solution	Location (e.g. SW corner, 2 nd & B)

Debris on bikeway (e.g. glass, gravel, vegetation in bikeway)

Problem, possible solution	Location

Vegetation blocking bikeway (e.g. trees/shrubs blocking bikeway, obscuring traffic signs)

Problem, possible solution	Location

Signs (repair or replace if damaged)

Problem, possible solution	Location

Speed humps (with broken, dangerous edges)

Problem, possible solution	Location

Curb cuts (installing or smoothing ramps at corners, crosswalks, and driveways)

Problem, possible solution	Location

Street markings (e.g. inadequate or missing striping, lane markers)

Problem, possible solution	Location

Bicycle parking (repair, replace, or install new public parking facilities)

Problem, possible solution	Location

Other (repair, replace, or install new public parking facilities)

Problem, possible solution	Location

Optional

Name: _____ Address: _____

Phone: _____ Date: _____

Return To: Petaluma Bicycle Advisory Committee, Petaluma Planning Division, Petaluma City Hall, 11 English Street, Petaluma, CA 94952

Employer Survey: Support for Bicycle/ Pedestrian Commuting

Recognizing the importance of business support to the success of alternative transportation, the City of Petaluma conducts an annual survey regarding what Petaluma's businesses are doing to encourage bicycle and pedestrian commuting by their employees. Answers will be kept confidential.

Could you please answer the following questions, as best you can?

1. How many employees at your site? _____
2. How many employees bike to work at least once a week? _____ walk to work? _____
3. How much parking in bike racks is available outside? _____
4. Are the bike racks used? How many bikes/day? _____
5. Is "secure bicycle parking" (bike lockers, guarded or indoor parking) available? _____
6. What is it? _____
7. Are there showers and/or clothes lockers available to commuters? _____
8. In what ways, if any, do you support or encourage bicycle or pedestrian commuting?

☐ Allow casual dress ☐ Allow mileage reimbursement for cycling ☐ Onsite bike maintenance help ☐ Special recognition (explain) _____ ☐ Other (explain) _____	☐ Onsite kitchenette facilities ☐ Bike loaners for local trips ☐ Discounts on bike safety equipment
--	--
9. What suggestions do you have for the City to improve conditions outside the workplace for those who choose to bicycle or walk to your business:

10. Member of Chamber of Commerce? ☐ Yes ☐ No
 Downtown Merchant's Association? ☐ Yes ☐ No
11. Do you or your firm belong to any other business group?

Name: _____

Address: _____

Phone: _____

Date: _____

Return To: Petaluma Bicycle Advisory Committee, Petaluma Planning Division, Petaluma City Hall, 11 English Street, Petaluma, CA 94952

PBAC Form 3

Bicycle/Pedestrian Survey and Suggestion Form

If you travel to work, shopping, or recreation activities by foot or bicycle, the City of Petaluma wants your suggestions for improving bicycle and pedestrian safety, convenience, and enjoyment.

1. Do you bicycle or walk to/from work, or both? _____
2. Where do you live (neighborhood, cross streets)? _____

3. Where do you work (cross streets)? _____

4. What problems do you experience in walking and bicycling to and from work, and other destinations?

5. What bicycle/pedestrian amenities on these routes work well for you? _____

6. What dreams do you have for walking and bicycling in the Petaluma, particularly regarding your routes to and from work? _____

7. Other Comments _____

Optional

Name: _____ Address: _____

Phone: _____ Date: _____

Return To: Petaluma Bicycle Advisory Committee, Petaluma Planning Division, Petaluma City Hall, 11 English Street, Petaluma, CA 94952

PBAC Form 4

Appendix F**Summary of Public Input****F. 1. Results From Questionnaire in Park and Recreation Bulletin, January 1998****Number of Respondents:** 85

Type of respondents and nature of survey: All persons who mailed in responses had seen the survey in the Music, Parks and Recreation Activity Guide that is mailed to the entire City quarterly. This is likely to have skewed the participant population toward those with children and, of course, to those who have an interest in bicycling.

Summary of the Results: (listed in decreasing order of frequency)

- A. Worst three trouble spots
 - 1. Washington Street (42 mentions)
 - 2. Petaluma Boulevard (29 mentions)
 - 3. Corona Road and Overpass (16 mentions)
- B. Favorite Recreational Ride
 - 1. Chileno Valley Loop (22 mentions)
 - 2. Helen Putnam Park (17 mentions)
 - 3. "T" Street loop to San Antonio (16 mentions)
 - 4. Neighborhood/City streets (13 mentions)
- C. Facilities You'd Most Like To See Added To Public/Private/Business
 - 1. Bicycle lanes/routes/paths (37 mentions)
 - 2. Bicycle racks, safe parking (32 mentions)
 - 3. Toilets (3 mentions)
- D. Rate Bicycle Facilities In Petaluma (choices were "Excellent," 10 down to 1, then "Poor")
 - 1. Poor (15 mentions)
 - 2. The number 2 (10 mentions)
- E. Comments On Bicycle Facilities (blank line to fill in)
 - 1. Need bicycle lanes/routes/paths (37 mentions, in various permutations)
 - 2. Need bicycle racks/safe parking (32 mentions)
 - 3. Need toilets (3 mentions)
- F. Comments On How Easy To Get Around Safely On Bicycle In Town (blank line to fill in)
 - 1. "No lanes/unsafe routes/dangerous arterials" (21 mentions in various permutations)
 - 2. (A tie:)
 - a. Worry about my kids (3 mentions)
 - b. Travel East to West is hard (3 mentions)
 - c. Rude, scary auto drivers (3 mentions)

- G. Comments On Bicycle Routes Within The City (blank line to fill in)
1. What bicycle routes? (6 mentions, the only one repeated more than once)
- H. I Ride My Bicycle For The Following Reasons (choices: Recreation, To and From School, Commute to Work, Get Around Town, Don't have a Car, Exercise and Fun)
1. (A tie:
 - a. Exercise (78 choices)
 - b. Fun (78 choices))
 2. "Get around Town" (39 choices)

PBAC Interpretation:

1. Cross-town connection seems the biggest concern and the "heart of town" seems an important destination spot. The top two "trouble spots" were Washington Street and Petaluma Boulevard. They are the primary routes bringing people in and out of the heart of town. It seems clear people are not comfortable on these routes and that probably is keeping many people off of bicycles.
2. "Exercise," "Fun" and "Recreation" were the biggest reasons people said they rode their bicycles. Since people's motives for getting on their bicycle appear to be "Exercise, Fun and Recreation," and in-town riding is ranked anything but fun, we have a problem.
3. Many Petaluma citizens enjoy riding outside the City limits. We have a responsibility as a City to work with the County to keep these routes safe, most specifically regarding road-maintenance.

F. 2. Results From Surveys Passed Out At 2/7/98 Public Input Meeting

Number of Participants: 36

Types of Participants and Format of Meeting:

These people came out for a Saturday morning meeting at the Senior Center during a storm with flood warnings hourly about the Petaluma River.

Following a presentation and discussion, the following list of potential bicycle improvements was presented to the participants, who were asked to rank these items in order of importance 1 through 10.

- Washington Street
- Lakeville Street
- Northwest Pacific Railroad Bicycle Path
- Bicycle Paths Along Creeks

- Open Kenilworth Pedestrian/Bicycle Overpass
- Build Bicycle Facilities: bicycle racks on buses, bicycle parking, bicycle lockers, bicycle repair station at rail depot, etc.
- Petaluma Boulevard
- McDowell Boulevard
- Bicycle Awareness/Education: safety classes, “share the road signs,” Petaluma Bicycle Patrol, helmet programs, etc.
- Employer Incentives/Support: showers, bicycle racks and lockers, flex time, reimbursement for bicycle mileage equivalent to auto miles, etc.
- Other

Summary of Results: Highest priority projects

Ranking	Project	Weighted Rating
1	Washington Street	302
2	NW Pacific Railroad	297
3	Bicycle paths along creeks	296
4	Petaluma Boulevard	291
5	Bicycle awareness/education	253
6	Open Kenilworth overpass	232
7	Lakeville Street	230
8	Build bicycle facilities (lockers, showers, etc.)	222
9	McDowell Boulevard	213
10	Employer incentives for bicycle commuting	150

Each project was given a weighted rating which reflects the number of 1st, 2nd, 3rd, etc., votes it received.

PBAC Interpretation:

Priorities seem fairly evenly split. The popularity of Washington Street and Petaluma Boulevard reflects a strong desire for better, safer on-street, cross-railroad connection. The popularity of a Northwest Pacific Bicycle Path and Bicycle Paths Along Creeks reflect a strong desire to enhance the “rural” experience.

Appendix G

Petaluma Planning Department Project Referral

Petaluma Planning Division Project Referral

Meeting Date: _____

To: _____	City Engineer	_____	Transit Coordinator	_____	Police Dept
_____	Fire Marshal	_____	Traffic Engineer	_____	So. Co. Planning Dept
_____	Chief Building Official	_____	Petaluma Downtown Assoc.	_____	So. Co. Water Agency
_____	Public Works	_____	Caltrans (Trans. Planning)	_____	Army Corps of Engineers
_____	Superintendent	_____	So. Co. Envir. Health	_____	PG&E
_____	Parks & Rec. Dept.	_____	State Dept. of Fish & Game	_____	Northwest Info. Ctr
_____	Planning	_____	School District(s):	_____	Other:
_____	PBAC	_____	So. Co. Public Works Dept.	_____	Other:

From: _____

Note: * = Full Size Plans

File Number: _____ Previous #'s: _____ Date Filed: _____

Project Name: _____ Applicant: _____

Site Address: _____ Address: _____

APN#: _____

Zoning: _____ Phone #: _____

Request: _____

Project Description: _____

Project Issues: _____

Attachments: _____

Important Due Dates:

Applicant _____/_____/99

Incomplete Memos for the

Comments on the Project _____/_____/99

Environmental Issues: _____/_____/99

Notes/Comments: _____

This department has **NO** comments _____,
(If your department has no comments, please sign, date, and return a copy of this sheet by the comment due date.)

Bicycle Locker Agreement

Bicycle Locker Agreement

5. The City of Petaluma is not responsible for fire, theft, loss, or damage to the bicycle or any other items left in the bicycle locker. Renter is responsible to ensure the bicycle locker is secure at all times.
6. A current address and telephone number where the renter can be contacted must be provided. It is the responsibility of the Renter to inform the Public Works Department of any changes of address or telephone number. Any failure to comply with this requirement may result in immediate termination of this Agreement.
7. All communication shall be with the City of Petaluma Public Works Department at 840 Hopper Street, Petaluma, CA 94952, 778-4303.

Signature of Renter

Date

Signature of City of Petaluma Agent

Date

Appendix I**Sonoma County Water Agency Letter**

August 26, 1999

Dusty Resneck
P.O. Box 832
Petaluma, CA 94953

Dear Dusty:

As you requested during our meeting this morning, I have located the information regarding the number of reported problems that Agency neighbors have had with visitors on flood control channels that are open to the public. Any significant problems would have been recorded in a computer file that I started for that purpose several years ago. During the past six years, the time period that the Agency has opened fee title channels to the public, I have recorded no significant problems. There have been only a few minor complaints.

In one case, one of our neighbors on Santa Rosa Creek felt that channel visitors were peering onto his backyard. He also stated that the neighbors on the other side of the channel were spying on him. This situation was resolved by planting vines at the base of the Agency fence, which he promised to water. There was also one report of a broken window which may have been thrown from behind a house on Piner Creek. In this case, I gave the property owner information on filing a claim against the Agency.

I also recall a complaint from a business in the lower Santa Rosa Avenue area. In this situation, the property owner felt that burglars were entering his property from Agency property. I reminded him of his responsibility to provide security for his property. He built a security fence, and I did not hear back from him.

In May of this year, I discussed this issue with Homer Rail, Public Works Superintendent, City of Rohnert Park. Their channels have been open for many years, in most cases since they were first constructed. Many of the channels are completely ungated. Homer stated that they "almost never" have a conflict with visitors, and that the number of people using the channels keeps inappropriate behavior to a minimum.

Since the time that work on the Sonoma County Outdoor Recreation Plan began about 18 months ago, I have been paying attention to the number of complaints of this type, thinking that this may become an issue to neighbors potentially affected by the ORP. The number is zero. During this same time period I have had several complaints about leaves falling from Agency trees, and one complaint about raccoons entering a backyard by climbing one of our fences. I enjoyed meeting with your group this morning. I hope that this information will be helpful.

Sincerely,

Bill Stephens

(Letter retyped by City of Petaluma for inclusion in Bicycle Plan)

P.O. Box 11628 – Santa Rosa, CA 95406 – 2150 W. College Avenue – Santa Rosa, CA 95401 – (707) 526-5370 – Fax (707) 544-6123

Appendix J Example Photos

Boulder, Colorado Photos

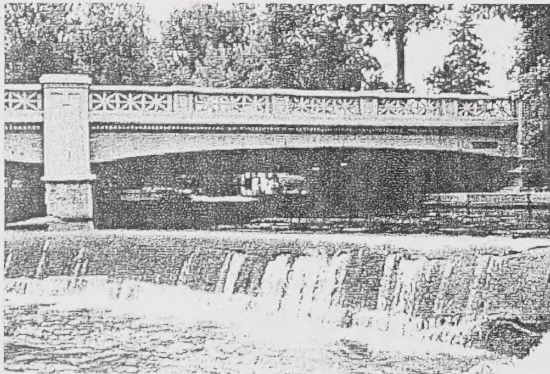


Photo Credit: Scott Duiven

Boulder Creek Bike Path. Path travels below grad of river to provide access under low bridge. Subject to flooding during Spring runoff.

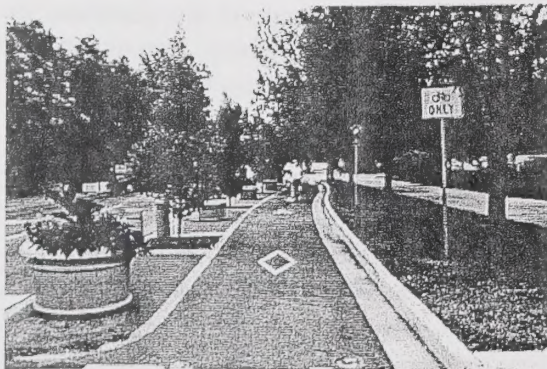


Photo Credit: Scott Duiven

Former two-way street converted to one-way street with two-way movement for bicyclist.



Photo Credit: Scott Duiven

Boulder Creek Bike Path. Another angle of pathway under bridge. An alternate crossing at grade of roadway is provided both for access to road and to provide for seasonal closures due to flooding.



Photo Credit: Scott Duiven

Boulder Creek Bike Path. Notice policeman on bicycle and amenity for bicycle/pedestrians to enjoy the natural setting along the creek.

The Netherlands

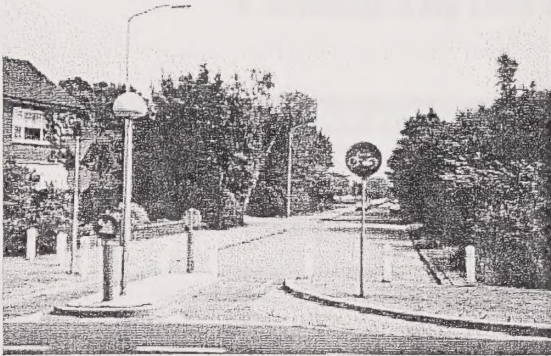


Photo Credit: Joseph Kott, Marin County Transportation Coordinator

The Netherlands: Through traffic limited to bicycle and pedestrian traffic, automobiles restricted.



Photo Credit: Joseph Kott, Marin County Transportation Coordinator

The Netherlands: Guarded bicycle parking close to employment center.

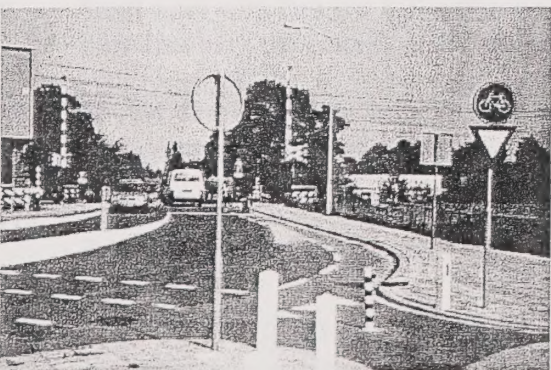


Photo Credit: Joseph Kott, Marin County Transportation Coordinator

The Netherlands: Pavement coloration in bicycle lanes with short-cut for bicyclists and pedestrians to adjoining neighborhood roadway.

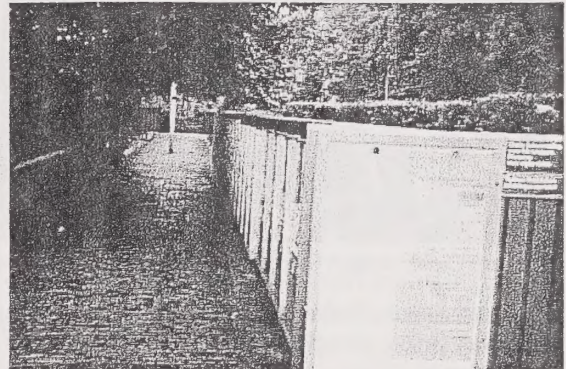


Photo Credit: Joseph Kott, Marin County Transportation Coordinator

The Netherlands: Bicycle lockers located close to transit center.



Photo Credit: Joseph Kott, Marin County Transportation Coordinator

The Netherlands: Class II bike lane on narrow street. Dashed line indicates substandard facility. Lane is colored red as are the majority of Class II bikeways in the Netherlands.

The Netherlands *continued*

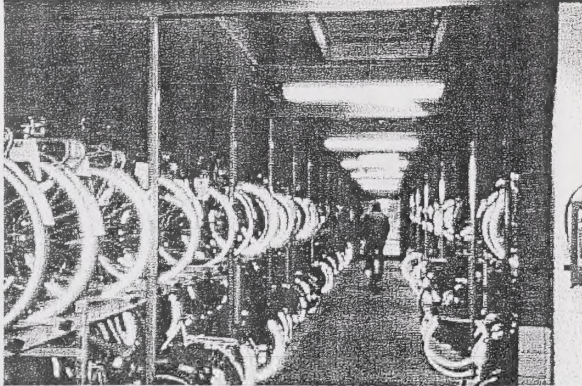


Photo Credit: Joseph Kott, Marin County Transportation Coordinator

The Netherlands: Inside of business providing secure, guarded bicycle parking and bicycle rentals located within transit station.



Photo Credit: Joseph Kott, Marin County Transportation Coordinator

The Netherlands: Roundabout. Notice pavement treatment within bicycle lane continues throughout roundabout. As cyclist nears roundabout there is a physical separation between bicyclists and automobiles.



Photo Credit: Joseph Kott, Marin County Transportation Coordinator

The Netherlands: Raised speed bump slows traffic at point where bicyclists and pedestrians enter from separate facility. Notice the use of various treatments throughout to provide visual effects that lend to traffic calming.

Appendix K Future Actions Mandated (“shall”) or Recommended (“should”) by this Bicycle Plan and Who is Responsible

Future Actions Mandated or Recommended	Responsibility
1. Shall encourage the Bicycle Patrol Officer to coordinate a safety fair or bicycle information program at each elementary and junior high school during the first 60 days of school.	City
2. Shall coordinate community-wide stepped-up patrols at beginning of school.	Bicycle Patrol Officer
3. Should assist the schools in developing “Safe Ways to School” bikeways.	City Staff
4. Shall participate in evaluating results of “Annual School Principal’s Bicycle/Pedestrian Trouble Spots and Wish List.”	City staff including: Bicycle Patrol Officer, Traffic Engineer & Bicycle Coordinator/ PBAC
5. Shall encourage a scholarship helmet program for children.	City
6. Shall encourage local merchants to develop a reward program reinforcing the helmet laws.	The City including the Bicycle Patrol Officer
7. Shall consider developing a “motorist rewards program” for safe driving in the presence of bicyclists and pedestrians.	The Police Department
8. Should develop a “bicycle safety education program” for bicyclists and motorists reminding both of their rights and responsibilities.	City
9. Shall work with Drivers’ Education to emphasize to motorists that bicyclists have the same rights to the road as motorists.	City
10. Should develop simple bicycle route maps with routes to parks, Open Areas, and bicycle support facilities.	City
11. Shall develop a procedure for submitting Spot Improvement Requests and for followup procedure.	The Bicycle Coordinator/PBAC & the Public Works Department
12. Shall provide quarterly updates to the Bicycle Coordinator/PBAC on the Spot Improvement Program.	Public Works
13. Shall pursue development of a pre-and post-signing program for pesticide, herbicide and fungicide use in the City.	Bicycle Coordinator/PBAC

Future Actions Mandated or Recommended	Responsibility
14. Shall strive to implement a non-chemical vegetation management program, including use of volunteers for weed control.	City
15. Should solicit from Petaluma businesses--meaning any public and private entity, all City County State and Federal entities, all schools and all City departments--“Incentives for Bicyclists/Pedestrians” Lists.	Bicycle Coordinator/ PBAC
16. Should solicit from Petaluma Business owners and employees, an annual “Bicycle/Pedestrian Improvements Wish Lists.	Bicycle Coordinator/ PBAC
17. Shall reimburse City Employees and officials for use of privately-owned bicycles, at least equivalent to car driving.	City
18. Shall devise a reward system for companies participating in Automobile Trip Reduction Planning.	City
19. Should make lender bicycles available to City employees and publicize the program to all City Employees.	City
20. Should investigate the feasibility of lender bicycles in the Downtown and elsewhere. If feasible, implement a trial program.	City
21. Shall on an annual basis distribute this portion of the Bicycle Plan to Petaluma businesses.	City
22. Shall follow up on the “Incentives for Bicyclists/Pedestrians List” and the “Bicyclist/Pedestrian Improvements Wish List.”	Bicycle Coordinator, PBAC & Transportation Coordinator
23. Shall be encouraged to submit their own “Incentives for Bicyclists/Pedestrians List” and “Bicyclist/Pedestrian Improvements Wish List.”	The City, to City employees
24. Shall follow up on the “Annual School Principal’s Bicycle/Pedestrian Trouble Spots and Wish List.”	City
25. Shall pursue access for bicycle/pedestrian trail easements through local agricultural areas.	City
26. Shall consider narrowing car travel lanes to allow for Class II Bicycle Lanes.	City
27. Shall undertake an evaluation of all stop signs in Petaluma, to determine the most effective flow of traffic, both for autos and bicycles.	City

Future Actions Mandated or Recommended	Responsibility
28. Shall adopt standards providing up to 40% reduction in required automobile parking in return for TSM program.	City
29. Shall consider special auto-parking reductions for small growing businesses in exchange for employee incentives programs encouraging bicycling and walking and discouraging driving.	City
30. Shall maintain and regularly update a list of companies providing acceptable Type I and Type II Bicycle Parking Facilities.	Planning Division
31. Shall create a map and matrix identifying potential bench sites in public areas.	City
32. Shall encourage bicycle taxis to transport pedestrians in the Central Petaluma Specific Plan Area and through the City.	City
33. Should mark Bicycle/Pedestrian Lanes and Paths through auto parking areas in existing developments.	City
34. Shall mark Bicycle/Pedestrian Lanes and Paths through auto-parking areas in any new developments.	City
35. Shall encourage the retrofitting of existing cul-de-sacs wherever possible to provide enhanced bicycle/pedestrian linkage between neighborhoods.	City
36. Shall not permit cul-de-sacs which do not provide bicycle/pedestrian through-connections but shall encourage cul-de-sacs which do.	City
37. Shall create a pedestrian component to this Bicycle Plan.	City
38. Should zone more residential neighborhoods Mixed Use, and more purely commercial areas Mixed Use, paying attention to inherent problems created when mixing residences and businesses.	City
39. Shall work together to find a way to permanently open up the Kenilworth Overpass to bicycle/pedestrian access.	The City Council, the Police & the Petaluma Unified School District Board
40. Shall meet regularly to work out issues of shared responsibility with regard to such issues as automobile traffic generation and bicycle/pedestrian access.	The City Council & the School Boards of Petaluma
41. Shall set priorities for implementation of the bicycle/pedestrian trails for the Petaluma River and Enhancement Plan.	Bicycle Coordinator/PBAC

Future Actions Mandated or Recommended	Responsibility
42. Shall amend the Land Use Map to reflect the desire for a continuous Urban Separator.	City
43. Shall work with Counties and cities along the Petaluma River corridor to encourage river-oriented bicycle/pedestrian access through the entire Petaluma River corridor to San Pablo Bay.	City
44. Shall encourage the Bay Ridge Trail in its connection of Marin and Sonoma counties including the connection of Burdell Mountain with San Antonio Road and then Helen Putnam Park.	City
45. Shall negotiate appropriate bicycle/pedestrian access through schools for the use of parents, children and community and shall meet regularly to discuss issues of shared responsibility.	City Council & the School Boards of Petaluma
46. Shall meet with the PBAC twice yearly to review the Alternative Transportation section of the CIP and agree on a list of projects, priorities and funding sources.	City Engineering Department, Traffic Engineer
47. Shall consider narrowing the streets and widening the sidewalks/bicycle lanes/shoulders, and shall reconsider all existing road widening plans in this light.	City
48. Shall be on the Project Referral List Form and shall review any project involving residential and commercial development, transportation improvements, Park and Recreation projects and any other projects affecting travel within the City.	The Bicycle Coordinator/PBAC
49. Shall Review and monitor MTC and DOT's improvements and funding plans as they refer to bicycling and pedestrian travel, as well as transportation choices in general.	Bicycle Coordinator/PBAC
50. Shall semi-annually review the County CIP.	Bicycle Coordinator/PBAC.
51. Shall define ways to measure the percentage of the population receiving bicycle education and the results, and the percentage of the population currently bicycling and how bicycle improvement affect that number.	City
52. Shall include bicycle/pedestrian needs when calculating Traffic Impact Fees and for every project and shall designate a certain amount of money for bicycle/pedestrian needs.	City
53. Shall consider using a portion of the Transient Occupancy Tax for bicycle/pedestrian facilities.	City

Future Actions Mandated or Recommended	Responsibility
54. Shall utilize redevelopment funds for bicycle/pedestrian amenities where appropriate.	City
55. Shall provide official input in the Petaluma General Plan update.	Bicycle Coordinator/PBAC
56. Shall circulate a City-wide questionnaire for the General Plan update on bicycle/pedestrian issues to go out in the utility bill early on in the process.	City
57. Shall update the Petaluma Bicycle Plan every 5 years.	Bicycle Coordinator/PBAC.
58. Shall update Petaluma Bicycle Map and Matrix every year.	Bicycle Coordinator/PBAC
59. Should add a section “Code, Ordinances, Standards, and Specifications for Pedestrians” to this Bicycle Plan.	City



PROPOSED AND EXISTING BIKEWAYS **CITY OF PETALUMA, CALIFORNIA**

BICYCLE CIRCULATION MAP, 1999
 CITY OF PETALUMA, CALIFORNIA
 OCTOBER 5th 1999
 DRAWN BY DARCY HENRY
 PRINTING DATE: MAY 29th 2001
 G:/PLANNING/BIKEPLANGRAPHICS/BIKE.DWG

LEGEND

CLASS I - OFFSTREET, MULTI-USE
EXISTING

PROPOSED

CLASS II - ON STREET, STRIPED BIKE LANE
EXISTING

PROPOSED

CLASS III - ON STREET, NO STRIPING
EXISTING

PROPOSED

BICYCLE BOULEVARD PROPOSED

URBAN LIMIT LINE/URBAN GROWTH BOUNDARY

SCHOOL

COMMON DESTINATIONS

PARKS



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